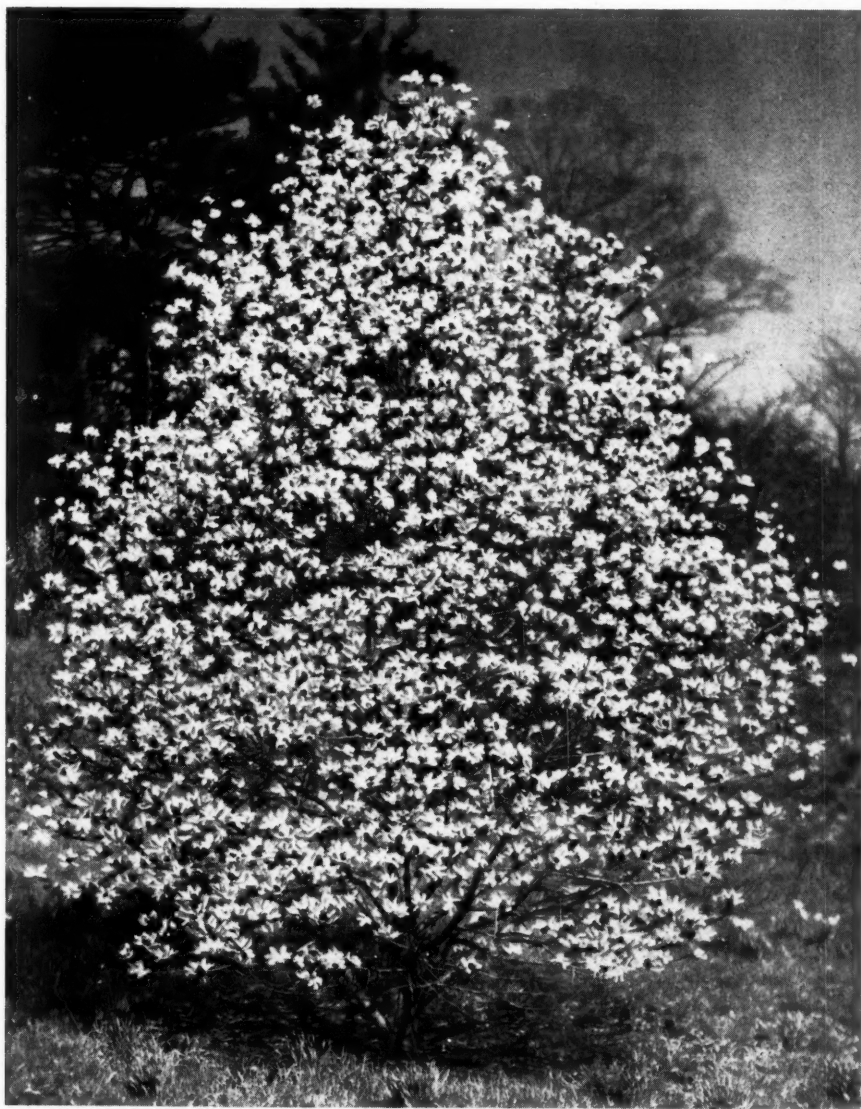


# AMERICAN NURSERYMAN

*The Nurseryman's Forte: To Make America More Beautiful and Fruitful*  
Serial Dept.

APRIL 1, 1960

MAR 29 1960



Magnolia Loebneri Merrill

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# AMERICAN NURSERYMAN

[Registered U. S. Patent Office]

*The Nurseryman's Forte: To Make America More Beautiful and Fruitful*

VOL. CXI, NO. 7

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Eastern Representative  
Vincent Vuoto  
225 West 34th Street, Room 2218  
New York 1, New York  
Telephone: CHickering 4-6468

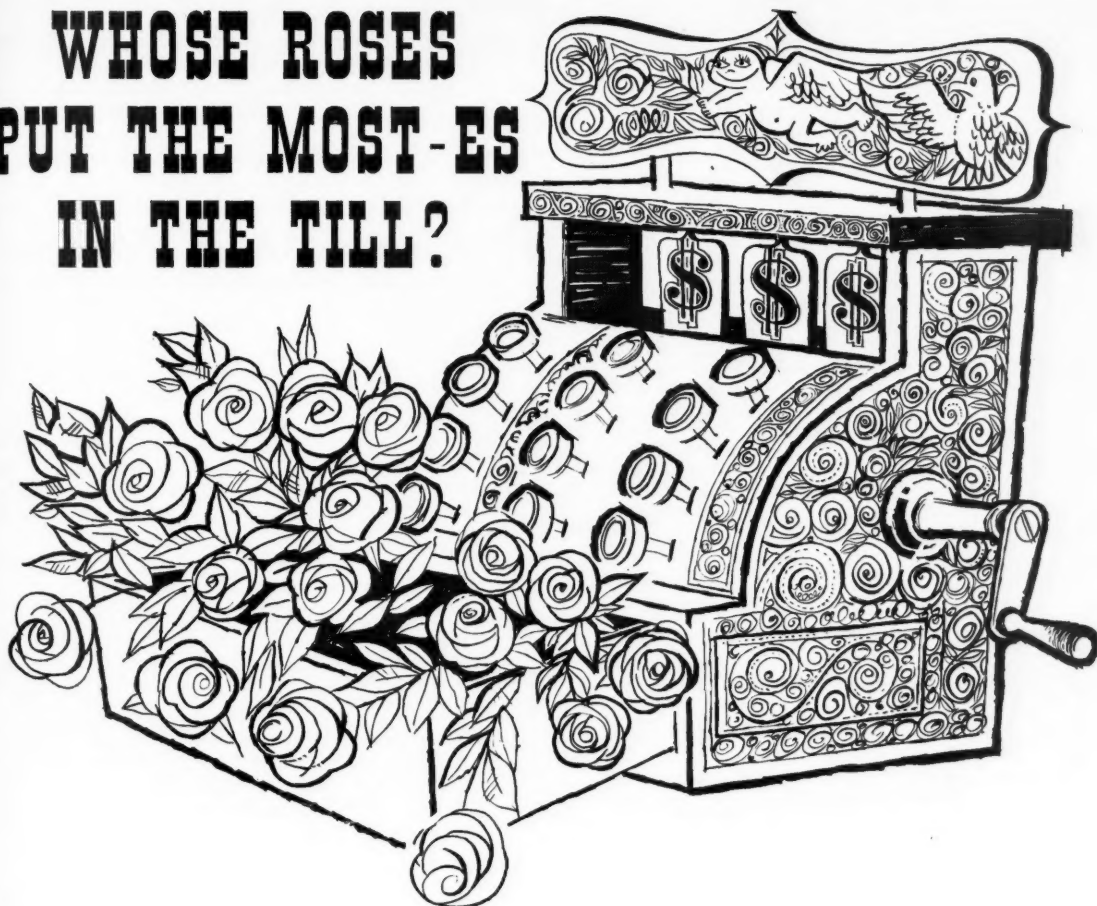
Pacific Coast Representative  
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465 California Street  
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Telephone: YUkon 2-9030

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# AMERICAN NURSERYMAN

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*Editor and Publisher*

FRED H. KILNER  
*Managing Editor*

I. G. MOORE  
*Associate Editor*

C. A. BRADY, Jr.  
*Advertising Manager*

## Editorial

### DIVERSE PROGRAMS

Casual review of the reports of trade gatherings which have appeared in the past half-dozen issues of this magazine is enough to bring a realization of the marked change in the subjects covered in the short courses and association conventions today from those of 10 or 20 years ago or even less. In an earlier day, the principal subjects covered were the propagation and production of plants, with occasional consideration of the varieties, especially newer ones, most in demand or to be considered preferable. Today, while those topics appear on programs, they are given far less attention, while a greater diversity of subjects is presented for the attention and information of those in attendance.

The great depression brought the broad topics of merchandising and salesmanship into more consideration by nurserymen. Later, other phases of business operation were included, and today discussions cover selling, accounting and further diverse phases of business management and operation, such as training personnel, public relations, labor management, credits and collections, inventories, cost control and a number of others.

The purpose of these comments is not to call attention to the extent of the change, but to point out the importance of the newer topics, especially to the nurserymen who still attend in largest numbers the sessions given over to the old topics of propagation, production and cultural practices, while the audiences which hear exposition and explanation of the modern topics of business management and operation are sometimes lamentably small. The competitors of today—who are not one's fellow nurserymen, but alert merchandisers and operators in other lines—require our closer attention to up-to-date practices and methods.

## The Mirror of the Trade

### LANDSCAPING AWARDS

The eighth annual "Plant America" industrial landscaping awards program has just been announced by the American Association of Nurserymen. The purpose of this continuing program has been to increase industrial and institutional landscaping throughout the country and to improve the quality of such projects. It has occurred at a propitious time, when many business firms have moved into suburban and rural areas, securing ample land for the erection of their factories and office buildings and, in some instances, playgrounds as well. These spacious premises provide opportunity for planting to produce a pleasing landscape as well as a comfortable environment for employees.

The publicity given the awards in the past seven years has aroused the interest of the new builders of such factories and office buildings. Last year 78 awards were presented to these firms, as well as to landscape architects and nurserymen, for planting jobs which qualified for awards. These were passed upon by a jury of judges, of which Charles G. Mortimer, of General Foods Corp., was chairman.

Like a snowball, the program has grown, not only in number of awards, but also in publicity received in the trade, garden and public press. To benefit the industry, this publicity is most important, and nurserymen interested in obtaining awards for themselves and their clients should bear this in mind. Not only should they provide the photographs and entry necessary for procuring the award, but also be certain that sufficient information and the requisite photographs are provided to obtain the maximum publicity in case an award should be received.

The competition is not among the planting jobs themselves, but with the standards of the program. There should be many more planting jobs eligible for awards with beneficial results to the corporations or institutions which receive them; they prize the awards and themselves are proud to give them local and even national publicity. Usually the nurseryman has to initiate the entry, calling the attention of the client to the awards and their probable effects. Included are not only factories and office buildings, but also institutions such as churches, schools and hospitals, even hotels, motels,

apartment houses, restaurants, filling stations and stores, according to the recent announcement by the A. A. N. Four classifications of awards are listed.

Not only has the industrial landscaping awards program of the A. A. N. aroused much interest among corporations and institutions, but it has earned the sincerest form of flattery, imitation. Newspapers and other civic-minded agencies have instituted local programs of similar character.

Promoting the beautification of building premises in their own communities, a goal recognized by others of so much importance, the industrial landscaping awards program should receive the prime interest of nurserymen.

### MORE FLOWER SHOWS

Each year the number of flower or garden shows held in this country is on the increase. Some of the events in the larger cities seem to steal the limelight, but regardless of their fortunes, spring shows are held in smaller cities and in suburban communities in larger number. These vary in size and in character, some being primarily floral exhibitions, others appendages to home shows and more of them staged by nurserymen in conjunction with their landscape clinics, garden club displays, civic events and the like. But all indicate an increasing response to the public's desire to learn more about gardening.

Example provides the best instruction. So an exhibit that shows the homeowner how a good lawn looks, how shrubs or evergreens may be pleasingly arranged, or how garden beds make the home grounds attractive will be interestedly viewed by show visitors for ideas they may gain or help they may receive. The value of such exhibits is attested by the efforts of some retail nurserymen to arrange similar displays on their sales grounds in the planting season, always an attraction to callers.

Hence the spring garden shows, whether they are in the large cities or small, receive nurserymen's study, many in person and more through the pages of current issues of this magazine. Learning how the other fellow has successfully won the public's attention is a good way to acquire the basis for one's own attempt in that direction.



# Spring Flower Shows

## Nurserymen Wake Interest of Public in Home Landscaping

Several of the major spring flower shows in northern cities this year posed problems for their producers because of severe winter weather conditions that developed. Delivery of plants and other materials to show locations was hampered by transportation difficulties. However, the same conditions served to whet the enthusiasm of show visitors, who were only briefly deterred in reaching the events, reports indicate. It seems evident that most show plants had been sufficiently advanced to supply the many bright splashes of color and bursting growth that make the spring exhibitions so attractive to the public.

Reports of the big shows held at New York city; Washington, D. C.; Cleveland, O., and Philadelphia, Pa., are given in this issue of the magazine, along with other accounts of well-planned promotional events on a smaller scale. Practical informal areas for family outdoor living continued to have frequent representation in the show displays, and water effects were much used. In general, the value of landscape planning for the home was well illustrated by practical examples.

### NEW YORK FLOWER SHOW

Proudly called "spring's greatest spectacle" by its sponsors, the 43rd International flower show provided an oasis of colorful beauty to almost 200,000 winter-weary garden and flower enthusiasts visiting the show at the New York Coliseum, New York, N. Y., March 5 to 12.

This floral extravaganza, co-sponsored by the New York Florists' Club and the Horticultural Society of New York, was formally opened by Mrs. Nelson Rockefeller, wife of the governor of New York state, against a backdrop of drifted snow and low temperatures, aftermaths of a blizzard that struck the area prior to opening day. Despite serious transportation problems, exhibitors managed to complete their displays on time, and the show, by and large, was judged one of the finest and most colorful in years by officials of both sponsoring groups. Although opening-day attendance did not match up with the totals of the previous few years, a fact directly attributed to snarled transportation facilities, to-



Semi-formal suburban patio garden entered at the New York flower show, held March 5 to 12, by Dalsimer, Inc., and Landscape Associates, Brookville, N. Y., winner of the Philadelphia flower show gold medal and the Betty Blossom trophy.

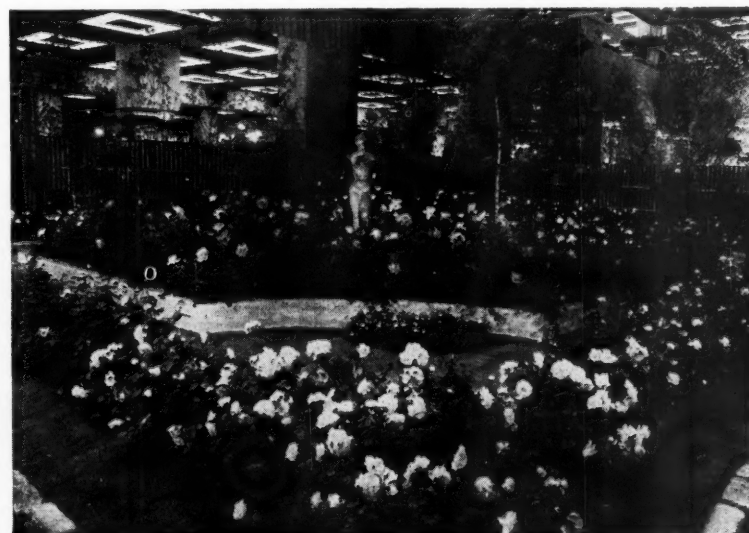
tal attendance for the eight days of the show was about the same as that of last year, which had been unusually high.

### Show Theme

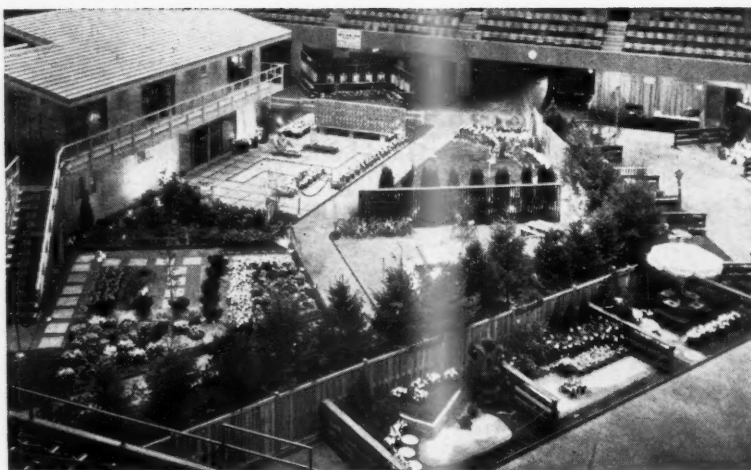
The theme of this year's show, "Flowers of the World," was developed with a true international flavor by the award-winning exhibit sponsored by the New York Florists'

Club, designed around the flower offerings from countries throughout the world.

The lavish and well-planned display gardens on the main exhibition floor of the Coliseum dominated the attention of the spectators. Although many of the gardens were planned to enable the average homeowner to adopt some of the ideas and materials shown, the stress seemed to be



Triangular formal rose garden on two levels, winner of the Bobbink memorial trophy and a show trophy for the Jackson & Perkins Co., Newark, N. Y., at the New York flower show.



Gardens designed for model home and three individual exhibits by nursery firms (foreground) at the 12th annual home and garden show held at Des Moines, Ia., February 20 to 28.

on semiformal designs tied in with terrace areas suitable for outdoor living. Not so much use seemed to be made of fencing to enclose garden areas, with the majority of gardens being sheltered by taller-growing narrow and broad-leaved evergreens in combination with deciduous flowering shrubs and trees.

Dalsimer, Inc., Cedarhurst, N. Y., and Landscape Associates, Inc., Brookville, L. I., N. Y., were awarded the Betty Blossom trophy and the Philadelphia flower show gold medal for a semiformal suburban patio garden. The terrace featured steps leading to a small pool area fed by a waterfall, behind which were planted pine, hemlock and azaleas. Aquatic plant materials were used alongside the pool, and the flagstone area was rimmed with flowering dogwoods and boulders, with clusters of aquilegia, yellow tulips and azaleas pro-

viding color. A small, low-growing Swiss pine was placed at the entrance of the steps leading to the pool.

Brookside Nurseries, Inc., Darien, Conn., in addition to winning a show plaque, received a special award from the Belgian Begonia Growers' Association for a semiformal garden featuring a majestic display of delphinium beds of blue, pink and white varieties. The beds were lined by a curved path of crushed white gravel which led to a white shelter overlooking a grass mall. Hemlocks were used as backing, and the delphinium beds in the foreground of the garden were lined with ageratum and white heliotrope. The roof of the shelter, which could be called a gazebo, was covered with colored glass of various shades and decorated with hanging pots of fuchsias.

Panfield Nurseries, Inc., East

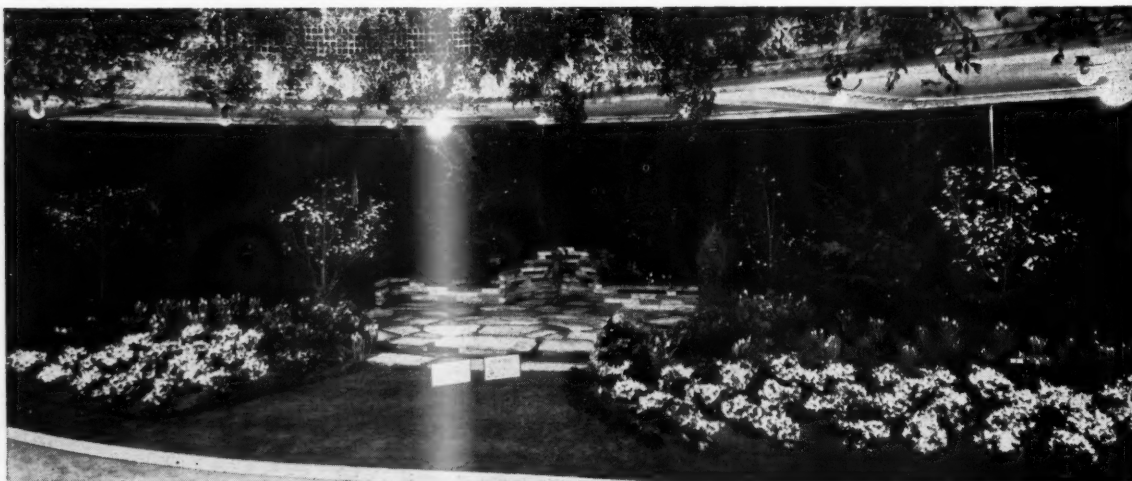
Meadow, L. I., N. Y., was awarded a trophy for a semiformal terrace garden. The flagstone terrace overlooked a sunken mall area accented by a lead figurine and fountain and gray slate pool, backed by masses of white azaleas and dogwood. Narrow and broad-leaved evergreens were used in the background, with a specimen Japanese maple tree on the right-hand side of the terrace area. A raised field stone planter on the terrace was used as a container for a large dogwood. The foreground of the mall area featured beds of yellow, pink and red tulips, edged by a hedge of *Ilex crenata*.

#### Two Rose Awards

Jackson & Perkins Co., Newark, N. Y., won the Lambertus C. Bobbink memorial trophy in addition to a show trophy for a triangular formal garden that featured the firm's new and leading rose varieties. The bilevel garden featured beds of flowering rose plants separated by grass paths. Tree roses accented both sides of the garden's entrances, and a figurine centered the design. The same firm was the recipient of the Charles H. Totty memorial medal for its rose variety, Fair Lady, for greenhouse culture.

#### Wins Massachusetts Medal

Goldfarb's Arcadian Gardens, New York, won the Massachusetts Horticultural Society's gold medal for a semiformal raised terrace garden. An unusual wooden shelter on the upper terrace overlooked a gravelled area set with weathered wood rounds. At the left of the terrace were a natural waterfall and pool, planted with primroses, azaleas, birch, ilex and taxus, while at the right, clusters of white azaleas, prim-



An evergreen-flanked terrace, with azaleas and tulips in the foreground, won first prize for Hirt's Greenhouses, Strongsville, O., in the recent Cleveland home and flower show.



This display featuring an ivy-bordered pool against a background of blooming rhododendrons won a special merit ribbon and a silver cup for Louis Hahn & Sons, Pittsburgh, Pa., at the flower show held at Washington, D. C., March 4 to 10.

roses and pieris were displayed. Weathered logs were used as steps to the terrace.

Tow Path Gardens, West Hartford, Conn., were awarded a special certificate for an Oriental garden. A traditional moon gate in the background, a teahouse, waterfall and pool with bridge and Japanese stone lanterns, as well as ceremonial washing stones, were all integrated with suitable plant materials. An unusual, twisted wistaria tree faced a small patio and was underplanted with tree peonies. Deep pink and orange-toned azaleas were massed for color effect.

The New York state department of agriculture and markets received a special award and the Chicago world flower and garden show medal for a woodland setting which featured the facade of a weathered shed, with a waterfall and stream on its left running into a pool in the foreground. Native plant materials, with dogwood and birch being most prevalent, completed the setting.

Sterling Forest Gardens, Tuxedo, N. Y., received a special citation for a spring garden featuring a modern fountain at the top of a rolling lawn area. Huge simulated boulders supplied the background for flowering hybrid rhododendrons in shades of deep pink and red, with a specimen dogwood tree at the extreme right of the garden. Hexagon-shaped beds of tulips in shades of red, yellow and white were displayed in the foreground, while vinca was used as a ground cover. The area immediately behind the tulip beds was planted with groups of daffodils and white and pink azaleas.

Julius Roehrs Co., Rutherford,

N. J., received an award for a tropical forest setting which displayed the firm's diverse line of exotic foliage plants. A small pool in the foreground was planted with anthuriums and botanical orchids.

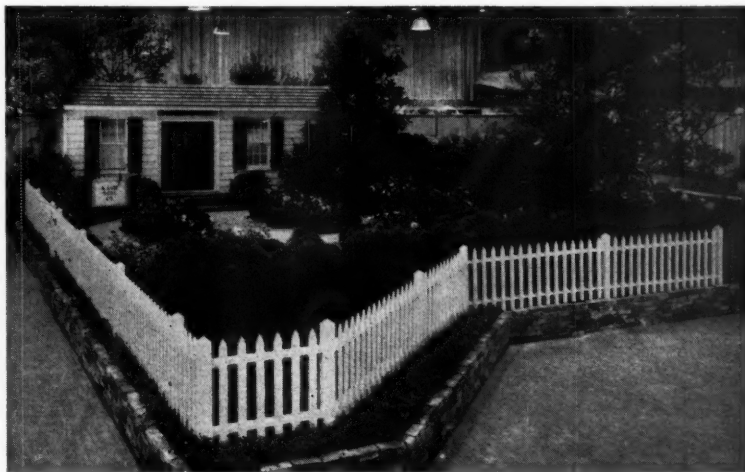
Arboreal Associates, Harriman, N. Y., were also given a special award for a woodland rock garden, for which plant materials and rocks were selected for their sculptural qualities. A 6-foot ribbon waterfall and pool were the garden's focal points, with a square flagstone path leading into the garden on the left. Clumps of daffodils were used at the left of the pool.

The New York Botanical Garden, New York city, won several awards, including the T. A. Weston trophy, for a display that demonstrated the versatility of potted plants. It showed how the average home gardener can

get year-round enjoyment from shifting the plants about three areas—windows, home greenhouse and patio. Northport Veterans' hospital, Northport, L. I., N. Y., created a formal rose garden, for which it received an award. The American Association of Nurserymen displayed pictures and plans of the 12 organizations that received the 1960 "Plant America" landscaping awards.

The Brooklyn Botanic Garden, Brooklyn, showed a wide variety of natural dwarf and slow-growing evergreens, flowering shrubs and bulbs suitable for the home gardener with restricted space. Gotelli Arboretum, South Orange, N. J., was given an award for a collection of dwarf evergreens.

The State University Agricultural and Technical Institute, Farmingdale, L. I., N. Y., won an award with



This Williamsburg garden won a blue ribbon for A. Gude Sons Co., Rockville, Md., at the 10th annual flower and garden show held at Washington, D. C.



a semiformal garden designed around the theme "Survival in the City." The rectangular garden featured raised planting beds at various heights holding materials that have proved their ability to thrive under adverse city conditions.

#### Varied Awards

W. Atlee Burpee Co., Philadelphia, Pa., received the American Landscape Nurserymen's Association award for the exhibit best uniting industry and horticulture in the trade spaces. Berkshire Garden Center, Stockbridge, Mass., was awarded a silver medal for a replica of its garden center.

Donsen Greenhouses, West Babylon, N. Y., won a show trophy for an exhibit of chrysanthemums, as did Madsen & Christensen, Wood-Ridge, N. J., for decorating the Coliseum's pillars with banks of genistas, azaleas and hybrid rhododendrons.

Rutgers University, New Brunswick, N. J., and Cornell University, Ithaca, N. Y., combined their efforts in manning an information booth with faculty members, in addition to county agents of both states, to answer questions related to gardening at all times.

#### WASHINGTON SHOW

A colorful pageant of well-designed gardens supplied a welcome respite from the ravages of winter weather for over 100,000 garden enthusiasts from the middle-Atlantic states during the 10th annual national capital flower and garden show at Washington, D. C., March 4 to 10.

Staged at the National Guard armory at the nation's capital, the event is sponsored by the Allied Florists' Association of Greater Wash-

ington, D. C., and was formally opened this year by Barbara Eisenhower, daughter-in-law of the President.

Despite one of the heaviest snowstorms ever recorded for the area on an opening day of the show, attendance was unusually good, according to Walter Charron, Washington, general chairman. An especially perplexing problem, however, was the tie-up in transportation, which hampered exhibitors in completing displays and made necessary much extra effort.

#### Fountain Feature

Focal point of the show, designed by landscape architect Boris V. Timchenko, was a huge fountain 25 feet high, illuminated by moving multi-colored lights in the center of the arena and surrounded by banks of yellow and white tulips.

All competitive pot plant exhibits were tied into the over-all decorative scheme by Mr. Timchenko and looked like integral parts of the show rather than separate entities. Many were even arranged to resemble spring gardens.

Huge holly trees, trucked in from Norfolk, Va., were used as accents throughout the arena and as anchoring points for the garden displays, which were arranged in a circular area around the fountain.

First prize in the large garden competition was won, for the second consecutive year, by A. Gude Sons Co., Rockville, Md., with a detailed reproduction of a Williamsburg garden. A formal rose garden, with the beds edged with boxwood, extended in front of an early American house facade. Washed gravel was used to separate the rose beds, and the entire area was enclosed with a white picket fence. The foundation plant-

ing in front of the house facade consisted of holly and boxwood, with a large *Magnolia grandiflora* tree placed at the right-hand corner of the display.

#### Semiformal Garden Takes Second

J. H. Small & Sons, Inc., Washington, D. C., received second place for a semiformal spring garden that featured large groupings of pink and white azaleas and flowering dogwood. An informal path led to a small sitting area sheltered by large birch trees.

Third prize in the large garden competition was awarded to Gustin Gardens, Inc., Rockville, Md., for a simulated hilltop garden, in which lawn areas were accented by drifts of daffodils and light pink azaleas. A sitting area at the top, which overlooked a gravel-lined pool fed by a naturalistic stone waterfall on the right, was sheltered by a large flowering dogwood. A clump of birch was used at the base of the waterfall, with moss covering the rocks.

Hodgin & Gilliam Garden Center, Centreville, Va., was given an honorable mention for a semiformal garden of red tulips, white and pink azaleas and red geraniums arranged in a semicircle around a large mall area that held two curved stone benches. The two entrances to the mall were emphasized with pyramidal trimmed yews, with a terraced planting of pink and white geraniums at the base of a berried holly tree in the foreground.

In the medium-size garden category, first place was given to Lewinsville Nursery, McLean, Va., for a formal garden. Beds of white tulips and white and pink azaleas lined a grass path that lead to a central mall area dominated by a white garden figurine. Background was provided by dense plantings of broad-leaved evergreens.

Second prize was won by Campbell & Ferrara Nurseries, Alexandria, Va., for a semiformal garden with a bed of white tulips in the foreground backed by pink azaleas and camellias. Large clusters of white azaleas and pink tulips were on the right, with ivy used as a ground cover. Third prize was awarded to the National Association of Gardeners for a semiformal pool garden, with George R. Thrasher Landscaping Co., Falls Church, Va., winning an honorable mention.

#### Small Gardens

In the small garden competition, Chambers Flower Center, Washington, D. C., was given first prize for a semicircular formal garden on two

[Continued on page 114]



Ribbon-cutting ceremony at the garden show held at Lansing, Mich.: Left to right, Robert Miller, R. D. Miller Nursery, Lansing, general chairman; Mel Avery, county agricultural agent; Mayor Crego of Lansing; C. A. Boyer, chief, Michigan bureau of plant industry, and Dr. Donald Watson, head, department of ornamental horticulture, Michigan State University, East Lansing.



# Canadians Convene at Toronto

Condemn Advertising and Selling Practices. Hear Talks on Varied Topics

By L. C. Keith

The practice of selling nursery stock and allied materials to service clubs and other societies for resale was condemned by the members of the Canadian Association of Nurserymen at its 37th annual convention held at the King Edward hotel, Toronto, Ont., February 28 to March 2. Nurserymen asserted that such sales by exporters, importers, manufacturers and distributors, without nursery service and advice, usually result in the distribution of inferior stock improperly stored and planted.

It was also resolved at the convention to suggest to the Association of Canadian Advertisers that "a board to deal with complaints against untruthful national advertising" be set up, "such a board to be headed by a member of the judiciary as chairman."

A motion that plants from foreign countries that have been in Canada for less than a year be labeled with the name of the country of origin was passed after spirited discussion and rephrasing of the original motion.

Other motions included a request that the Canadian Horticultural Council "use every means at its command to have unbiased adequate protection provided in respect to tariffs and plant quarantines for the industry" and to press for an amendment of the tariff so that wax-impregnated molded pulpboard pots for use exclusively for transplanting or for protecting plants while growing and rubber budding strips be permitted duty-free entry. Another motion resolved that the association request the proper authorities to exempt wire baskets for plants from sales tax.

## Other Resolutions

The nurserymen also resolved that a letter be sent to the president of the Ontario Agricultural College, expressing appreciation for the establishment of the horticultural correspondence course. Also expressed was appreciation for efforts of the plant research institute of the Canada Department of Agriculture in publishing the pamphlet "Greenhouse Garden and Grass."

These resolutions were passed the second day of the annual convention, when a full day was given to

the annual business meeting in order to permit full discussion on all topics of interest to members.

At the election of officers the closing day, the following were named to the board of directors in accordance with a change made in the constitution: D. Hunter, Kingsway Garden Shop, Vancouver, B. C.; J. H. Eddie, H. M. Eddie & Sons, Ltd., Vancouver, B. C.; John McDonald, Lacombe Nurseries, Lacombe, Alta.; G. Krahn, Lake Shore Nurseries, Saskatoon, Sask.; W. Sheldermine, Varsity View, Man.; Keith Laver, Pinehaven Nursery, Cooksville, Ont.; G. Peister, McLean-Peister, Ltd., Kitchener, Ont.; L. C. Cullen, Weall & Cullen Nurseries, Willowdale, Ont.; G. Downham, H. C. Downham Nursery Co., Ltd., Strathroy, Ont.; E. T. Banting, Brookdale - Kingsway Nurseries, Ltd., Bowmanville, Ont.; A. W. Rundle, A. W. Rundle Garden Center, Oshawa, Ont.; C. Luck, Royalvale Nursery, Ltd., Montreal, Que.; W. H. Perron, W. H. Perron & Co., Ltd., Montreal, and F. Fillmore, Fillmores' Valley Nurseries, Ltd., Centerville, N. S.

At a board meeting that immediately followed the afternoon session, John McDonald was elected president; W. H. Perron, first vice-president, and E. T. Banting, second vice-president.

The entire convention was planned to provide new and profitable ideas and contacts. The program attracted a record attendance; more than 200 paid registrants from all across Canada attended the meeting, whose general theme was "Beautifying Canada."

## Opening Session

Eight outstanding speakers from industry, government and trade associations of Canada and the United States were on the program for the first and last day, as well as a panel discussing the role of the garden center.

Sessions opened the first day with President J. E. Shuttleworth, Little Tree Farm, Ltd., London, Ont., as chairman. The members were welcomed to the convention by K. G. Laver, Cooksville, Ont., and D. Hunter, Vancouver, B. C., general chairmen of the convention.

The first speaker, Dr. S. H. Nel-

son, plant research institute, Canadian department of agriculture, Ottawa, discussed "Newer Aspects of Plant Propagation." He gave special attention to the use of polyethylene bags with a light medium, such as peat moss, for the stratification of seeds. There is no progressive drying over the season as occurs with open flats of sand; therefore the moisture content of the medium before going into storage must be kept lower. A rule of thumb is equal weights of water and peat moss, or one to one and one-fourth parts of water to 15 parts of sand, if the latter is being used, in sealed polyethylene bags.

Dr. Nelson mentioned that, although improvements have been made in bindings and waterproofing compounds, the greatest advances have been in techniques to overcome incompatibility. He discussed softwood propagation and told of the use of glazed sashes over propagation frames to retain a high relative humidity around the foliage and reduce transpiration. The propagation of cuttings is dependent more on humidity than any other factor except an inherent ability to root. The use of glazed sashes is still favored by many propagators, but much personal attention is needed.

Mist propagation has developed to the point that many growers are using it with a polyethylene tent; this technique retains moisture better than covering propagation beds with sashes. He felt this is partly due to the use of a continuous sheet of polyethylene, instead of a number of sashes, but more so because of the tight seal between the polyethylene and the sides of the frame, resulting from condensation on the polyethylene. Instead of being sprayed once or twice daily, the beds can be left undisturbed for three weeks or a month. However, he cautioned that the high temperature, the high relative humidity and the lack of air movement can cause rot.

Mr. Nelson discussed other methods, summing up the matter by saying that the saving of labor is the common goal. He concluded his remarks with a word of warning not to scrap a successful operation, no matter how laborious and time-consuming, until a proposed replacement

[Continued on page 128]

## Sorting the Woody Ornamentals

# Magnolias Provide Flowering Trees for Almost All Sections

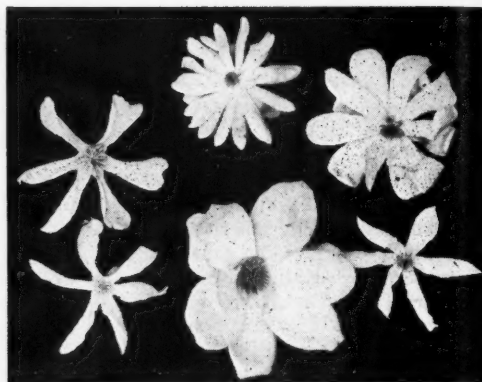
By Donald Wyman

Horticulturist, Arnold Arboretum

The magnolias are the best of our conspicuously flowered ornamental trees. There are enough of them so that some can be grown in all but the coldest sections of the United States. Sixty-two species and varieties are listed by American nurseries; 46 are in the Arnold Arboretum. In this series of articles it has not been too difficult to reduce the number of species and varieties in several genera which are good ornamentals to be grown, but in magnolias, because

some bloom so early or so late, because some have exotic-looking foliage or colored, large-size flowers, or because of the wide hardiness range, it has not been possible to reduce the number to a minimum.

Rather, I am recommending the important types and suggesting that growers scan the list carefully, selecting those that are hardy for their locality as well as those that have what seem to be the most desirable ornamental qualifications. Since the



Magnolia flowers: Left to right (top row), kobus, stellata, Merrill; (bottom row), salicifolia, denudata, proctoriana.

magnolias comprise our most conspicuous group of flowering trees, this method is the most reasonable system for bringing their qualifications to the fore.

On the whole, the magnolias are considered to have coarse foliage. The smallest-leaved species are probably *M. salicifolia* and *stellata*, with leaves approximately one and one-half to four inches long. Such species are valued for this characteristic alone.

### Large-Leaved Species

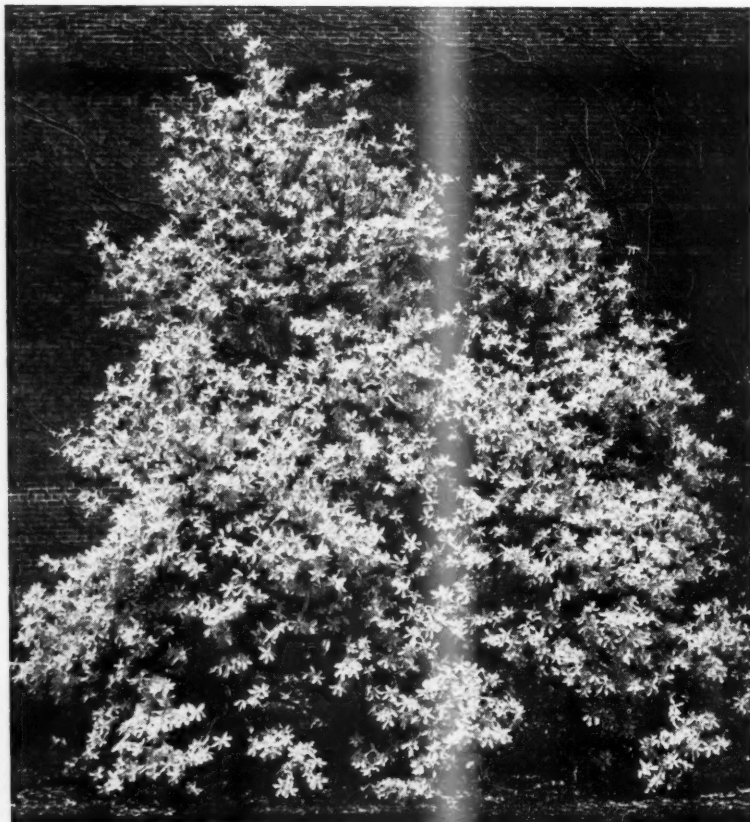
There are seven species which may have leaves 12 inches long or even longer, namely, *M. fraseri*, *macrophylla*, *obovata*, *rostrata*, *veitchi*, *officinalis* and *tripetala*. *Magnolia macrophylla* will on occasion have the largest leaves of all, sometimes nearly three feet long. Foliage such as this greatly restricts the usefulness of the species, for in a windy spot the leaves are ripped and torn and thus can look disreputable for a great part of the season.

On the other hand, such plants create an exotic tropical effect and are sought for planting in protected situations to do just this.

These large-leaved species usually produce the largest flowers also, those of *M. macrophylla* being eight to 14 inches in diameter. A variety of the southern magnolia named Goliath has been recorded (in England) as having flowers 12 inches in diameter.

It is interesting to note that of the recommended species, 13 are native to the Orient and only six are native to North America. Also, all the magnolias with colored petals (except *M. cordata*) come from the Orient,

The illustrations accompanying this article were made from photographs supplied by the Arnold Arboretum, Jamaica Plain, Mass.



*Magnolia Soulangiana Speciosa*

which once more proves the great contribution that area has made to our modern gardens.

Another interesting fact is the spread of the blooming period of these valuable trees. In the warmer parts of the country some bloom as early as February, while the last species to bloom is *M. wilsoni*, in August.

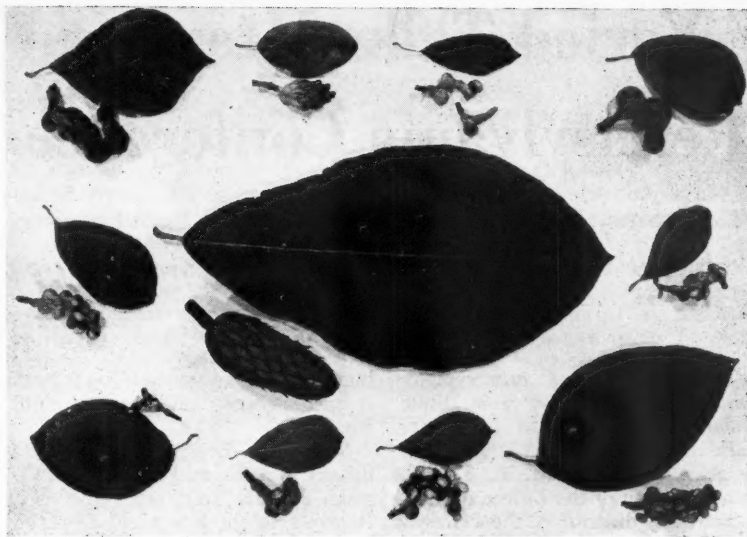
It is important to note forms with evergreen foliage. The most important is the southern magnolia, *M. grandiflora*, which is one of the best and most prized of all. The other two species are *M. nitida* and *delavayi*, the latter having larger leaves than *grandiflora*, but not so many flowers. The native sweet bay magnolia, *virginiana*, is deciduous in the north and practically evergreen in the far south.

Many of the magnolias have fragrant flowers and, of course, all have interesting and colorful fruits. Few have any autumn foliage color worth mentioning, but sometimes *M. stellata* and a few other species turn a pleasing bronze in the fall.

The major number of the magnolia species have white or creamy-white flowers. Some of these, like *M. sieboldi* and *wilsoni*, are of colorful interest because of a dense ring of tightly held, brilliantly colored red stamens in the center of the flower. One native species, *M. cordata*, has yellowish flowers.

Of the conspicuously colored types, mention should first be made of the shrubby *M. liliflora*, with its dark red-purplish flowers, since this color has been passed on to so many of the varieties of its hybrid species, of which *M. soulangiana* is one. The Dawson magnolia has rosy-purple flowers, and the tender *M. campbelli* mollicomota and sprengeri have beautiful rose-colored flowers.

Those with pale pink to white flowers would include *M. rostrata*, *sargentiana robusta*, *veitchi* and *wat-*



Magnolia leaves and fruits: Left to right (top row), *soulangiana*, *virginiana*, *salicifolia*, *denudata*; (middle row) *kobus borealis*, *obovata*, *stellata*; (bottom row) *cordata*, *Merrill*, *acuminata*, *loebneri*.

*soni*. As most growers know, the flower color of *M. stellata rosea* is disappointingly white, though the flower buds are pink. There are, however, two or more clones of this species with reportedly red or reddish flowers. These should be tried wherever *M. stellata* is hardy.

Time of bloom and hardiness are other important factors. Only two of the recommended 50 magnolias are reliably hardy in zone 4; 32 (including 14 *M. soulangiana* varieties) in zone 5. Eighteen cannot or should not be grown in the greater part of both these areas.

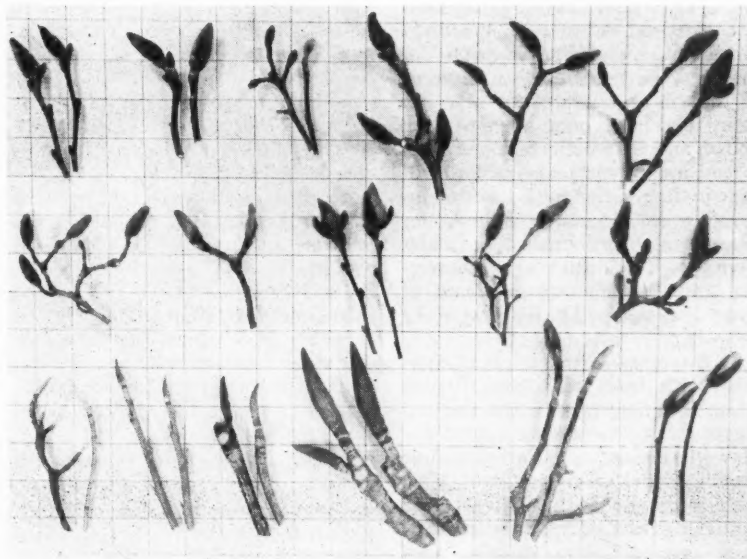
So, here are 50 magnolias from which the grower can select the best for his own needs:

#### Recommended Magnolias

Following the name of each recommended species appear its mature height in feet, hardiness zone, place of origin and common name. The zone numbers are those on the hardiness map in the author's book, "Trees for American Gardens."

*M. acuminata*: 90, zone 4, New York to Arkansas, cucumber-tree—A pyramidal tree, becoming spread-

[Continued on page 69]



Magnolia buds: Left to right (top row), *kobus borealis*, *denudata*, *cordata*, *soulangiana*, *kobus*, *loebneri*; (middle row) *stellata*, *liliflora nigra*, *proctoriana*, *salicifolia*, *liliflora nigra* x *stellata rosea*; (bottom row) *virginiana*, *virginiana australis*, *tripetala*, *obovata*, *acuminata*, *Merrill*.

#### MAGNOLIA SOULANGIANA

The customary spelling, *M. soulangeana*, is at variance with the original spelling of the author of the original description, published in 1826 in the *Memoires Societe Linneenne de Paris*, which was *M. soulangiana*—a fact long overlooked. Dr. Alfred Rehder himself changed the spelling in his "Bibliography of Cultivated Trees and Shrubs," published in 1949, a volume in which he brought up to date the nomenclature of all the plants mentioned in his Manual, published in 1940. Now such publications as the "Dictionary of Gardening" published by the Royal Horticultural Society in 1951, and other authorities on the genus as well, use the spelling containing the "i."

D. W.



# Varied Talks Heard at Pennsylvania Conference

**Viburnums, Lawns, Labor Management, Bookkeeping, Container Growing, Insects and Diseases are Discussed**

*By Robert P. Meahl*

The 15th annual nurserymen's conference of Pennsylvania State University was held at University Park, February 23 to 25, with 135 in attendance. Dr. M. A. Farrell, associate dean of the college of agriculture and director of the Pennsylvania experiment station, welcomed the group to the campus.

He pointed out that the main problem facing the university is the challenge of increased enrollment. More students are seeking admission, and the demand is growing faster than the resources of the university. If additional operating funds are not received, it will be impossible to expand or admit more students.

Arthur E. Bye, landscape architect, Bye & Herrmann, Rye, N. Y., spoke on the design aspect of landscape planting. He stressed the need for going to nature to observe composition at its best and showed Kodachrome slides to illustrate the basic principles of natural design.

## Desirable Viburnums

Dr. Donald R. Egolf, cytogeneticist, National Arboretum, Washington, D. C., discussed "New and Desirable Viburnums." He said most of the viburnums are not new but many excellent ones are not well known and are worthy of more widespread use. These plants are world-wide in distribution in the north temperate zone. A number of the better viburnums were discussed, and slides were shown to illustrate their flowering and fruiting habits. Some of those discussed by Dr. Egolf were the following:

*V. fragrans*—Grows to about eight feet, with buds pink and flowers white. The flowers are attractive and fragrant but do not make a good display from a distance. Forms include roseum, with darker pink buds; alba, with white buds and flowers, and nanum, a dwarf, compact plant about three feet in height, valuable as a specimen or hedge plant.

*V. grandiflorum*—Comes from the Himalayan mountains and blooms during the winter, with dark pink

buds opening near white. The growth is rather open and reaches eight feet.

*V. henryi*—Evergreen, with white flowers in panicles. Fall coloration is good. Fruit is large, red and showy. It grows to three to eight feet and has a considerable possibility for landscaping.

*V. erubescens*—Produces its pink-tinged, white flowers under the leaves in a drooping fashion. Fruit is first red but finally black.

*V. sieboldi*—An excellent large shrub or small tree, growing to 10 to 15 feet. The flowers are creamy white followed by showy fruit changing from red to black. The fruits do not last long, however, for the birds soon eat them; but even after all fruits are gone, the reddish fruit stalks remain and give a fine contrast with the foliage. The leaves have a strong odor when first dropped in the fall, but this usually does not last more than about 10 days.

*V. buddleifolium*—Flowers in May, has rather soft, somewhat evergreen leaves. It grows to five to eight feet. The best effect is from the foliage.

*V. bitchiuense*—Similar to *V. carlesi*, but slenderer, growing to eight or nine feet. The true *bitchiuense* is highly desirable.

*V. carlesi*—Blossoms in May, with fragrant flowers. The original *carlesi* is dwarf and compact, but many in the trade today are seedlings that are no longer true to type and are not so desirable. Grafted plants are less desirable also, since the rootstock often develops shoots that are difficult to distinguish. One should be careful to secure the original dwarf stock for best results.

*V. utile*—Evergreen, with small waxy leaves. It is as good as *V. carlesi* in flower and reaches a height of four or five feet. *V. burkwoodii*, a cross of *V. carlesi* x *utile*, is semi-evergreen, with flowers similar to those of *carlesi*. It is opener in its growth and reaches a height of six to eight feet. *V. chenaultii* is another

cross of *carlesi* and *utile* and is about the same as *V. burkwoodii*.

*V. lantana*—Sometimes good but sometimes poor. The rugose form is good, with the fruit display excellent for about five weeks, staying red much longer than that of the normal form.

*V. macrocephalum*—Attractive in flower but not too hardy; probably satisfactory in southeastern Pennsylvania but not farther north.

## Leather-Leaved Viburnum

*V. rhytidophyllum*—Has deeply rugose evergreen leaves. The flowers are white, and the fruit is first red but ripens black. Some forms are refined, but often it is rather coarse. The pink form, roseum, is pink only in the flower bud. The over-all habit is the same as the regular *rhytidophyllum*. A cross, *V. rhytidophyllum* x *lantana*, known as *V. rhytidophylloides*, tends to flower twice, both in the spring and late summer.

*V. veitchii*—Comes from China, is semievergreen, with good texture, and is very hardy.

*V. plicatum*—Known in the trade as *V. tomentosum* sterile, it has sterile flowers in globose heads. *V. plicatum tomentosum* is the correct name for the plant most people call *V. tomentosum*. It is an excellent shrub, with both sterile and fertile flowers borne in tiers. The fruit is showy red. *V. plicatum roseum* has pink flowers, but the degree of pink seems variable. Better pink color is secured in acid soil. *V. plicatum mariesii* is flat and spreading, with flower clusters somewhat larger than those of *tomentosum*.

## Native Species

*V. cassinoides*—A native species growing to four to six feet, with good fruit and foliage. The fruit changes from green to pink to blue. There is a form, *nanum*, to three feet with somewhat convex leaves but of questionable merit.

*V. prunifolium*—An excellent native type reaching 12 to 15 feet. The flowers are white in May, but its fruit gives the best display, going from pink to blue black. *V. lentago* is similar but larger and opener in growth. *V. rufidulum* has heavy leaves, rusty brown beneath.

*V. davidi*—Not very hardy, but might survive in the southern part of the state. The leaves are 3-nerved. The outstanding characteristic is the long-lasting steel-blue fruit. It is dwarf, often no more than one or two feet.

*V. acerifolium*—Good in dry woodland plantings. *V. dentatum*

[Continued on page 57]



# Stratifying Pine Seeds in Plastic Bags

By T. V. Lehto

Superintendent, Forest Nursery, Tennessee Valley Authority, Clinton, Tenn.

In the July 15, 1959, issue of the American Nurseryman, Roger C. Coggeshall described a new method of stratifying certain "dormant embryo" hardwood seeds. It involved mixing seeds with moist sand or sand and peat moss, sealing the mixture in polyethylene bags and storing the bags three months at 40 degrees Fahrenheit.

We nurserymen who grow pine seedlings also have this "dormant embryo" problem. Standard practice is to use cotton bags or screen wire envelopes with five to eight pounds of seeds in each. These are then stratified between layers of wet sphagnum moss in steel drums or wooden boxes and stored at 34 to 38 degrees. Loblolly and short-leaved pine are stratified 20 to 30 days; white pine, 60 days.

After reading Mr. Coggeshall's article, I decided to try his method, with some modification. I selected half-pound samples from eight loblolly and three short-leaved pine seed lots, soaked the seeds in cold water for eight hours, drained and then placed them in polyethylene bags tightly sealed with rubber bands. The bags were stored 15 days in the cold room, where a temperature of 34 to 38 degrees was main-

tained. At the end of 15 days, I ran germination tests in sand flats at room temperatures of 70 to 75 degrees.

The following table summarizes germination test results by 5-day periods up to 30 days. Most seeds germinated in the first 15 days.

This method offers certain advantages over the cotton bag-sphagnum

seed containers are not packed in moss to maintain moisture content, they can be separated for better temperature control. If it becomes necessary to shorten the stratification period, the temperature of the cold room can be increased to 40 or 45 degrees. Conversely, if weather conditions make it necessary to hold

| Seedlot No.              | 5  | 10 | 15 | 20 | 25 | 30 |
|--------------------------|----|----|----|----|----|----|
| <b>Loblolly Pine</b>     |    |    |    |    |    |    |
| E. N.C. 57—Lot 1.....    | 15 | 48 | 85 | 88 | 89 | 90 |
| Ga. 57—Lot 4.....        | 12 | 44 | 79 | 82 | 83 | 84 |
| Ga. 57—Lot 5.....        | 18 | 48 | 78 | 84 | 85 | 85 |
| S.C. 58—Lot 1.....       | 5  | 62 | 80 | 81 | 81 | 81 |
| NW. Ga. 58—Lot 1.....    | 3  | 58 | 82 | 85 | 87 | 87 |
| NW. Ga. 58—Lot 2.....    | 16 | 53 | 83 | 88 | 90 | 90 |
| NW. Ga. 58—Lot 3.....    | 12 | 50 | 85 | 90 | 91 | 91 |
| SW. Ga. 58—Lot 4.....    | 25 | 60 | 81 | 84 | 85 | 85 |
| <b>Short-Leaved Pine</b> |    |    |    |    |    |    |
| Ky. 57—Lot 1.....        | 21 | 59 | 80 | 82 | 83 | 84 |
| Ark. 57—Lot 1.....       | 49 | 72 | 86 | 89 | 90 | 90 |
| N. Ga. 57—Lot 1.....     | 36 | 69 | 78 | 82 | 86 | 87 |

moss method:

1. More economical—It takes less time to prepare seeds for stratification, since sphagnum moss is not needed. Need for additional watering is eliminated. There is little danger of heating.

2. More flexible—Control over stratification time is simplified. Since

seeds in stratification longer, cold room temperature can be lowered to 33 to 35 degrees.

3. More convenient—Nurserymen can check stratification progress simply by looking through the bag. There is no need to remove bags from drums or boxes of wet moss and open them.

Of course, these are the results of a single test. However, we are confident that the combination of soaking and polyethylene bags will induce proper preplanting germination. We are so sure that we plan to use it exclusively this coming season.

## FLORIDA NURSERY FAILS

A public sale of \$30,000 worth of orchids, shrubs, trees and other plants was held recently at Dietel's Tropical Nursery, Inc., Fort Lauderdale, Fla., at the order of a federal referee in bankruptcy. All stock was sold on a cash-and-carry basis at one-half the average retail price, proceeds being turned over to federal court for disbursement to general creditors. Sale of the land, equipment and houses on the nursery property awaits federal court approval.

The 7¼-acre nursery, owned by Mrs. Annamaria Dietel, Plantation, Fla., was established 10 years ago and had become a highly prosperous operation during the mid-1950's. It was forced into bankruptcy last January when an employee filed a \$7,000 lien.



White pine seeds stratified in polyethylene bags and stored in cold room. The 14x20-inch bag held by the author contains four and one half pounds of seeds.

# Snow Cuts Attendance at Canadian Tree Conference

By L. C. Keith

J. S. Hackett, Canadian Shade Tree Service, Lachine, Que., was elected president of the Canadian chapter, National Shade Tree Conference, at the meeting held in the King Edward hotel, Toronto, Ont., February 25 and 26. About 100 members gathered from Ontario and Quebec to discuss problems relating to shade trees, hear informative papers and enjoy a social time together. J. A. Kimmel, city arborist, Toronto, and H. L. Crissinger, Cedarvale Tree Experts, Ottawa, were elected first and second vice-presidents, respectively. C. G. Dobbin will continue as the chapter's secretary-treasurer.

Committee chairmen elected were as follows: Membership, R. G. Crissinger and D. R. Fluhrer; organization, J. J. Dumont and Pat Harrington; publicity, R. Hayter and H. Spence; advisory, G. A. McNair and A. G. Sellers. J. E. Forget was elected unit representative for Quebec, and W. R. Hawkey, for Ontario. William Grundy will serve on the board of governors for one year, and Al Sellers, two years. Alternates are Robert Crissinger and J. S. Hackett.

## Snow Cuts Attendance

Al Sellers, president, opened the business session Monday morning and kept the meeting on schedule the first day. Unfortunately, the day ended with one of Toronto's worst snowstorms. Roads were blocked, and there was a general disruption of traffic.

Attendance at the conference was cut drastically the second day when local members found it impossible to reach the hotel on time, and some were not able to get there at all. A delay and substitution on the program was therefore found to be necessary.

Reports at the general business session showed healthy activity within the organization. Membership is growing, and the bank balance is satisfactory. The major expense last year was toward the national film fund; it is anticipated the film will be ready for the annual N. S. T. C. meeting. It was announced that the 1961 meeting will be held at Montreal, and it was rec-

ommended that a member living in that locality be named convention chairman.

The morning program concluded with a workshop session. Jack Kimmel was chairman, with Pat Harrington and Bob Crissinger ready to answer questions in a discussion on "Safety in the Operation of General Tree Work."

Mr. Kimmel started the discussion by introducing various topics relating to the subject, such as clothing, equipment and personnel training. From the general summing up, it appeared that helmets are in general use, workmen must wear goggles for certain types of work and rubber heels and soles are required by some firms. In most cases, it is left to the employee to determine when ropes used on the job need replacement.

There was some discussion as to the safety of using gasoline-powered saws in trees and whether they should be started on the ground or in the tree. Electric saws were recommended, as it was felt that gasoline-powered saws are dangerous wherever started, although, from one manufacturer's standpoint, starting them in the tree is the less dangerous of the two methods. With regard to sprays, it was recommended that there should be more information on labels, especially as to lethal qualities.

## "Insect Problems"

The first speaker in the afternoon was K. Stewart, forest biology laboratory, Maple, Ont., who discussed "Insect Problems." In each case he gave the type of tree attacked, the nature of the injury caused by the insect, its life cycle and the control.

For instance, in speaking of scale insects, which he regards as among the most destructive pests of ornamental and shade trees, he stated that plant injury may be caused either by the withdrawal of plant juices by a large number of these insects or by their production of galls while feeding. Male insects in this group are usually winged, but the females are entirely wingless.

During metamorphosis, the legs of most adult females are lost or become greatly atrophied. As a result, the females of many species never

change position after once inserting their stylet or mouth part into the plant.

The body of the female is scalelike or gall-like and is covered with wax, whether in a thin layer or in the form of powder, tufts or plates, beneath which it lives. Some species of scale are highly specific in horticultural selection, while others are more generalized and feed on a wide variety of plants.

## European Scale Destructive

The European scale, *Gossyparia spuria*, sometimes becomes highly destructive to ornamental and street elms. It is found over most of southern Canada on European and other elms. When abundant, these scales cause yellowing and premature shedding of the leaves. As the injury continues and accumulates, small branches begin to die and then larger ones; until, in the case of young trees, the entire tree may become affected and die.

A lesser form of injury is the production of honeydew, which coats the tree and the sidewalk beneath. The branches of infected parts become black and sooty in appearance because of a fungus that grows in honeydew. The adult female is oval, reddish brown and has a white, waxy fringe around the edges of the entire body. The males are extremely small and of two forms, winged and wingless. The male pupae are enclosed in small, white, cottony cocoons.

## Life Cycle

This scale insect overwinters as a partially grown nymph in crevices of the bark. The males become active during the first warm days of spring, construct their cocoons and complete their development. The females mature the end of May and lay eggs to midsummer.

Upon hatching, the nymphs settle on leaves, twigs and small branches to feed. In September the young move from the leaves and settle in crevices of the bark to overwinter. The recommended control is a malathion spray applied after eggs have hatched, between the last week in June and the first week in July.

To control cottony maple scale, Mr. Stewart suggested that one spray the tree with malathion after all the eggs have been hatched, about the first week in July. As a control for oyster-shell, one of the commonest scale insects on ornamental plantings and home garden fruit trees, he suggested that they be sprayed with malathion about

[Continued on page 40]

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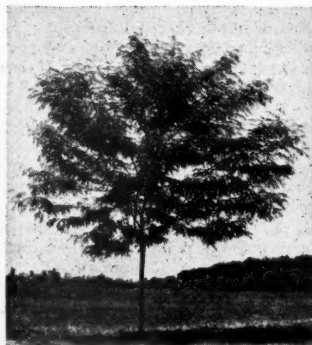
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|--|--|
| <i>Abelia grandiflora</i><br>2 to 3 ft. ....   | Each<br>\$1.00                               |
| <i>Barberry, julianae</i><br>15 to 18 ins. ....<br>18 to 24 ins. ....  | 1.25<br>1.50                                 |
| <i>Euonymus patens</i><br>18 to 24 ins. ....   | 1.00   |
| <i>Gardenia radicans</i><br>12 to 15 ins. ....<br>15 to 18 ins. ....   | .80<br>1.00                                  |
| <i>Ilex burfordi</i><br>18 to 24 ins. ....<br>24 to 30 ins. ....   | 1.50<br>2.00                                 |
| <i>Ilex East Palatka</i><br>18 to 24 ins. ....<br>24 to 30 ins. ....<br>30 to 36 ins. ....   | 1.25<br>1.50<br>1.75                         |
| <i>Ilex opaca fosteri</i> No. 2<br>18 to 24 ins. ....<br>24 to 30 ins. ....  | 1.50<br>2.00                                 |
| <i>Jasmine, floridum</i> (Showy Jasmine)<br>18 to 24 ins. ....   | 1.00   |
| <i>Ligustrum lucidum</i> and<br><i>Ligustrum lucidum pendulum</i><br>18 to 24 ins. ....<br>24 to 30 ins. ....  | 1.00<br>1.25                                 |
| <i>Nandina domestica</i><br>18 to 24 ins., 4 or 5 canes ....<br>2 to 3 ft., 4 to 6 canes ....  | 1.00<br>1.25                                 |
| <i>Pittosporum tobira</i><br>15 to 18 ins. ....  | 1.00   |
| <i>Prunus caroliniana</i> (Cherry Laurel)<br>18 to 24 ins. ....<br>2 to 3 ft. ....<br>3 to 4 ft. ....<br>4 to 5 ft. ....<br>5 to 6 ft. ....<br>6 to 7 ft. .... | 1.00<br>1.25<br>1.75<br>2.25<br>2.75<br>3.75 |
| <i>Pyracantha formosana</i><br>1-gal., 18 to 24 ins. ....<br>2 to 3 ft. ....   | .75<br>2.00                                  |
| <i>Scotch Broom</i><br>2 to 3 ft. ....   | 1.00   |

Also many other items such as azaleas and holly varieties in lesser quantities.

### CONIFERS

|   |                        |
|---|------------------------|
| <i>Berckmans Arborvitae</i><br>15 to 18 ins. ....<br>18 to 24 ins. and up ....  | Each<br>\$1.00<br>1.25 |
| <i>Baker Arborvitae</i><br>24 to 30 ins. ....   | 1.00                   |
| <i>Excelsa Arborvitae</i><br>24 ins. ....<br>30 ins. ....   | 1.00<br>1.25           |
| <i>Juniperus chinensis pfizeriana</i><br>(Pfizer Juniper)<br>12 to 15 ins. ....<br>15 to 18 ins. ....   | 1.10<br>1.25           |
| <i>Juniperus chinensis compacta</i><br>(Compact Pfizer Juniper)<br>12 to 15 ins. ....<br>15 to 18 ins. ....   | 1.10<br>1.25           |
| <i>Juniperus communis fastigiata</i><br>(Improved Irish Juniper)<br>36 ins. and up ....<br><i>Juniperus excelsa stricta</i> (Greek Juniper)<br>15 to 18 ins. ....<br>18 to 24 ins. .... | 1.00<br>1.00<br>1.25   |
| <i>Juniperus glauca hetzi</i><br>15 to 18 ins. ....   | 1.00                   |
| <i>Loblolly or Long-leaved Pine</i><br>5 to 6 ft., B&B ....   | 2.50                   |
| <i>Thuja occidentalis pyramidalis</i> , American<br>18 to 24 ins. ....  | 1.25                   |
| <i>Thuja occidentalis woodwardi</i> , Globe<br>12 to 18 ins. ....   | 1.00                   |

### LINERS

|   |                |
|---|----------------|
| Field-grown and bedded liners—liberal grades<br>—packed right. The very best to be found—<br>try them, they'll make you money!                  |                |
| <i>Berckmans Golden Arborvitae</i><br>6 to 12 ins., beds, T. ....   | Each<br>\$0.15 |
| <i>Juniper, Pfizer</i><br>6 to 12 ins., 1-yr., field-grown ....<br>8 to 12 ins., 2-yr., field-grown ....  | .12½<br>.15    |
| <i>Juniper, Pfizer Compact (Owen's Type)</i><br>6 to 12 ins., 1-yr., field-grown ....   | .13½           |
| <i>Juniperus fastigiata</i> (Improved Irish Juniper)<br>8 to 12 ins., 1-yr., field-grown ....<br>12 to 15 ins., 2-yr., field-grown ....         | .10<br>.12½    |
| <i>Juniperus hetzi glauca</i><br>8 to 12 ins., 1-yr., field-grown ....<br>12 to 15 ins., 2-yr., field-grown ....                                | .10<br>.12½    |
| <i>Juniper, Savin</i><br>6 to 12 ins., 1-yr., field-grown ....  | .10            |
| <i>Juniperus vonehron</i><br>6 to 12 ins., 1-yr., field-grown ....<br><i>Thuja occidentalis woodwardi</i> , Globe<br>4 to 8 ins., T., beds .... | .10<br>.12½    |

## MONROE NURSERIES OF CROSSVILLE, ALABAMA, INC.

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Crossville, Ala.

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## COMING EVENTS

### MEETING CALENDAR

April 22 and 23—Holly Society of America, 28th meeting, Sylvania hotel, Philadelphia, Pa.

May 4 to 6—Short course for Virginia landscape men, Virginia Polytechnic Institute, Blacksburg, Va.

May 8 to 11—Western chapter, National Shade Tree Conference, meeting, Lafayette hotel, Long Beach, Calif.

May 26 to 28—Florida Nurserymen and Growers Association, annual convention, Fort Harrison hotel, Clearwater, Fla.

May 29 to 31—Texas short course for nurserymen, Agricultural and Mechanical College of Texas, College Station, Tex.

May 30 and 31—Short course for Louisiana nurserymen, Southwestern Louisiana Institute, Lafayette, La.

June 1 and 2—California Association of Nurserymen and the department of ornamental horticulture, California State Polytechnic College, San Luis Obispo, annual nurserymen's refresher course, Cal Poly campus.

June 5 to 7—Georgia State Nurserymen's Association, convention, Ida Cason Callaway Gardens, Pine Mountain, Ga.

June 12 to 14—Alabama Nurserymen's Association, convention, Whitley hotel, Montgomery, Ala.

June 16 and 17—Short course for Florida nurserymen and growers, University of Florida, Gainesville, Fla.

June 19 to 21—Plains Nurserymen's Association and New Mexico Nurserymen's Association, joint convention, Scharbauer hotel, Midland, Tex.

June 21 and 22—Illinois State Nurserymen's Association, short course, University of Illinois, Urbana.

June 26 to 28—Mississippi Florists' and Nurserymen's Association, annual meeting, Buena Vista hotel, Biloxi, Miss.

June 28 and 29—Short course for Missouri nurserymen, University of Missouri, Columbia, Mo.

July 17 to 20—American Association of Nurserymen, annual convention, Netherland Hilton hotel, Cincinnati, O.

August 7 to 9—National Mail Order Nurserymen's Association, annual convention, Hotel La Salle, Chicago, Ill.

August 9 to 11—Ohio Nurserymen's Association, summer meeting, Commodore Perry hotel, Toledo, O.

August 14 to 17—Texas Association of Nurserymen, annual convention, Adolphus and Baker hotels, Dallas, Tex.

August 14 to 19—National Shade Tree Conference, annual meeting, Statler hotel, Boston, Mass.

August 15 to 17—Northern Nut Growers' Association, annual meeting, Knoxville, Tenn.

August 17—New England Nurserymen's Association, summer meeting, Boulevard Nurseries, Newport, R. I.

August 18 and 19—Iowa Nurserymen's Association, summer meeting, Iowa State College, Ames, Ia.

August 21 to 26—American Association of Nurserymen, management conference, Sagamore conference center of Syracuse University, near Raquette Lake,





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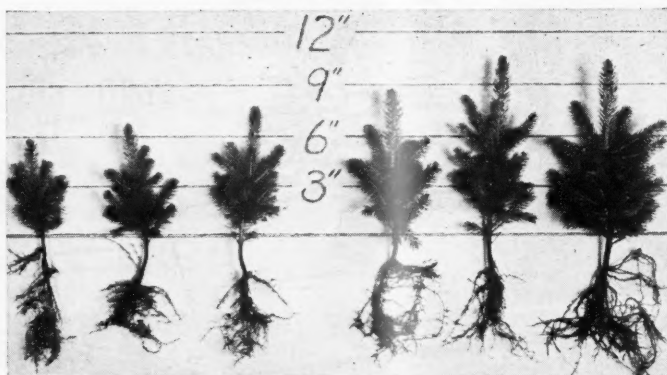
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# SEEDLINGS AND LINERS

SPRING, 1960

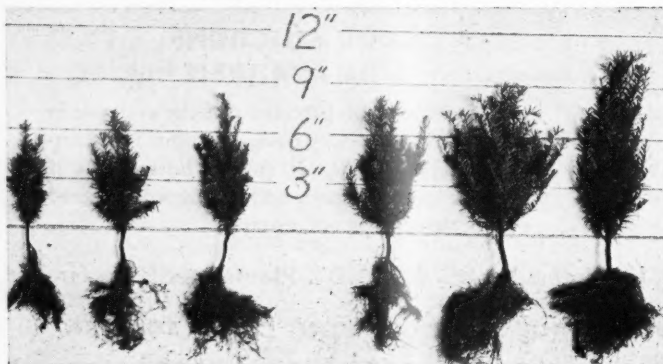


COLORADO BLUE SPRUCE, 6 to 10 ins., X

| <i>Taxus cuspidata capitata</i><br>(Upright Yew), seed grown | Per 100 | Per 1000 | Per 10,000<br>or more |
|--|---------|----------|-----------------------|
| 8 to 12 ins., XX   | \$85.00 |          |                       |
| 6 to 10 ins., X  | 42.50   | \$275.00 | \$250.00              |
| 4 to 6 ins., X   | 26.00   | 190.00   | 175.00                |
| <b>Colorado Blue Spruce</b>                                  |         |          |                       |
| (2-2), 6 to 10 ins.  | 18.00   | 150.00   | 135.00                |
| (3-1), 6 to 10 ins.  | 14.00   | 75.00    |                       |
| (3-0), 6 to 12 ins.  | 10.00   | 45.00    | 42.50                 |
| *(2-0), 3 to 6 ins.  | 7.50    | 28.00    | 24.00                 |
| <b>White Spruce</b>  |         |          |                       |
| (3-1), 6 to 10 ins.  | 12.00   | 70.00    |                       |
| (3-0), 4 to 8 ins.   | 8.00    | 45.00    | 42.50                 |
| *(2-0), 3 to 8 ins.  | 7.50    | 26.00    | 22.00                 |
| <b>Norway Spruce</b>   |         |          |                       |
| (3-1), 6 to 14 ins.  | 12.00   | 65.00    |                       |
| *(3-0), 6 to 12 ins.   | 8.00    | 40.00    | 37.50                 |
| <b>Black Hills Spruce</b>                                    |         |          |                       |
| (3-0), 4 to 8 ins.   | 8.00    | 40.00    | 37.50                 |
| <b>Douglas Fir</b>   |         |          |                       |
| (2-2), 12 to 15 ins.   | 28.00   | 220.00   |                       |
| (2-2), 6 to 12 ins.  | 22.00   | 180.00   |                       |
| (2-0), 4 to 8 ins.   | 7.50    | 28.00    | 26.00                 |
| <b>White Pine</b>  |         |          |                       |
| (2-2), 5 to 10 ins.  | 16.00   | 130.00   |                       |
| <b>Ponderosa Pine</b>  |         |          |                       |
| (2-2), 6 to 12 ins.  | 10.00   | 60.00    |                       |
| <b>Mugho Pine, Tyrolean dwarf</b>                            |         |          |                       |
| (2-2), 3 to 4 ins.   | 22.00   | 160.00   | 150.00                |
| <b>Austrian Pine</b>   |         |          |                       |
| (2-2), 8 to 14 ins.  | 12.00   | 85.00    |                       |
| *(2-1), 3 to 8 ins.  | 10.00   | 37.50    | 32.50                 |
| (3-0), 5 to 10 ins.  | 10.00   | 28.00    | 24.00                 |
| *(2-0), 2 to 4 ins.  | 6.00    | 18.00    | 16.00                 |
| <b>Norway Pine</b>   |         |          |                       |
| (2-1), 3 to 6 ins.   | 9.00    | 45.00    |                       |
| <b>Riga Scotch Pine (Poland)</b>                             |         |          |                       |
| *(3-0), 12 to 16 ins.  | 9.00    | 34.00    | 30.00                 |
| *(3-0), 8 to 12 ins.   | 7.50    | 26.00    | 22.00                 |
| (2-1), 3 to 8 ins.   | 9.00    | 36.00    | 32.00                 |
| <b>Scotch Pine, Auvergne</b>                                 |         |          |                       |
| *(2-0), 3 to 6 ins.  | 7.50    | 22.00    | 18.00                 |

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N. Y., and Lake Arrowhead conference center of the University of California, Lake Arrowhead, Calif.

August 21 to 23—Southern Nurserymen's Association, annual convention, Atlanta Biltmore hotel, Atlanta, Ga.

September 20 to 22—California Association of Nurserymen, annual convention, Yosemite, Calif.

September 15 to 17—Louisiana Association of Nurserymen, Inc., annual convention, Blackham Coliseum, Southern Louisiana Institute, Lafayette, La.

## HOLLY SOCIETY MEETING

The 28th meeting of the Holly Society of America has been scheduled for April 22 and 23, according to an announcement by Charles A. Young, Jr., secretary of the association. Headquarters for the event will be the Sylvania hotel, Philadelphia, Pa.

## ALABAMA CONVENTION

The convention of the Alabama Nurserymen's Association will be held June 12 to 14, it has been announced by Henry P. Orr, associate professor of horticulture at Auburn University, Auburn, Ala., secretary-treasurer of the nurserymen's group. Headquarters will be the Whitley hotel, Montgomery, Ala.

## PLAN JOINT MEETING

The Plains Nurserymen's Association and the New Mexico Association of Nurserymen have planned their sixth joint meeting for June 19 to 21, it was announced by Mrs. Lily Walker, secretary-treasurer of the Plains Nurserymen's Association. Convention headquarters will be the Scharbauer hotel at Midland, Tex. Convention chairman is James H. Walker, Walker Nursery, Midland.

## FLORIDA SHORT COURSE

E. W. McElwee, head of the department of ornamental horticulture at the University of Florida, Gainesville, Fla., announced the dates for the Florida nurserymen's and growers' short course as being June 16 and 17. The program will be given on the campus of the university at Gainesville.

## MISSOURI SHORT COURSE

The short course for Missouri nurserymen has been scheduled for June 28 and 29, according to D. F. Millikan, secretary of the Missouri State Nurserymen's Association. The course will again be held at the University of Missouri campus, Columbia, Mo.

[Continued on page 24]

# Nurserymen Prefer... MENNE-POTS

**SUPERIOR STRENGTH** Rugged construction gives you a better pot! Withstands rough handling . . . will not break apart.

**DRAINAGE** Unique side drainage feature makes water-logging impossible . . . no worry while pot stands in yard!

**LIGHT WEIGHT** Easy to handle . . . economical. Light weight cuts shipping costs. Menne-Pots save you money!

**COMPLETELY ASSEMBLED** Staped Bottom . . . a Menne-Pot can be used immediately! No waste "set-up" time. No heating.

**MAKE MORE MONEY**  
.....with less work!



|   |   |  |   |
|---|---|--|---|
| <b>Size 0</b> Top . . . 4"<br>Bottom 3 1/2"<br>High . . . 4"<br>Weight per 100<br>Reg. 10 lbs. Heavy 25<br>Regular Weight<br>100 \$2.75 1000 \$25.00<br>Heavy Weight<br>100 \$3.75 1000 \$35.00     | <b>Size 0 1/2</b> Top . . . 5"<br>Bottom 4"<br>High . . . 5"<br>Weight per 100<br>Reg. 13 lbs. Heavy 30<br>Regular Weight<br>100 \$3.50 1000 \$32.50<br>Heavy Weight<br>100 \$4.50 1000 \$42.50 | <b>Size 1</b> Top . . . 6"<br>Bottom 5"<br>High . . . 6"<br>Weight per 100<br>Reg. 15 lbs. Heavy 35<br>Regular Weight<br>100 \$4.00 1000 \$37.50<br>Heavy Weight<br>100 \$5.25 1000 \$50.00    | <b>Size 2</b> Top . . . 7"<br>Bottom 5 3/4"<br>High . . . 9"<br>Weight per 100<br>Reg. 24 lbs. Heavy 55<br>Regular Weight<br>100 \$4.50 1000 \$42.50<br>Heavy Weight<br>100 \$5.75 1000 \$55.00           |
| <b>Size 3</b> Top . . . 8 1/4"<br>Bottom 6 1/2"<br>High . . . 9"<br>Weight per 100<br>Reg. 30 lbs. Heavy 70<br>Regular Weight<br>100 \$5.00 1000 \$47.50<br>Heavy Weight<br>100 \$6.25 1000 \$60.00 | <b>Size *4</b> Top . . . 10"<br>Bottom 8"<br>High . . . 10"<br>Weight per 100-120 lbs.<br>100 \$11.00<br>500 \$52.50 1000 \$100<br>*Heavy Only --<br>For trees and shrubs                       | <b>Size *5</b> Top . . . 12"<br>Bottom 10"<br>High . . . 12"<br>LG POT<br>Weight per 100-250 lbs.<br>20 30c ea. 100 \$27.50<br>500 \$125 1000 \$225<br>*For extra-heavy<br>trees, large shrubs | <b>Size Pan</b> Top . . . 8 1/4"<br>Bottom 7 1/2"<br>High . . . 5"<br>PAN Weight per 100<br>Reg. 30 lbs. Heavy 70<br>Regular Weight<br>100 \$5.00 1000 \$47.50<br>Heavy Weight<br>100 \$6.25 1000 \$60.00 |



500 of a size takes 1000 rate in sizes 0-0 1/2-1-2-3-Pan. Regular-weight pots packed 100 and 200 per carton in sizes 1-2-3-Pan. Size 0, 250 only. Size 0 1/2, 200 only. Heavy pots are packed 250 per carton in size 0; 100 per carton in sizes 0 1/2 and 1; 50 per carton in sizes 2, 3, Pan and 4, and 20 per carton in size 5. NO BROKEN CARTONS.

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## MENNE PEAT POTS

Low Cost - Light Weight - Pre-Sterilized  
Compact - Plant Pot-and-All - Plants Grow Faster

Once you use a MENNE PEAT POT you'll never buy anything else. These top-quality domestic made peat pots save you labor of transplanting to field or bench. No labor and time wasted in storing pots. MENNE PEAT POTS also eliminate transplant shock and promote faster, stronger growth. You're sure to get top prices and more satisfied customers. For bigger profits next season, order your MENNE PEAT POTS today!

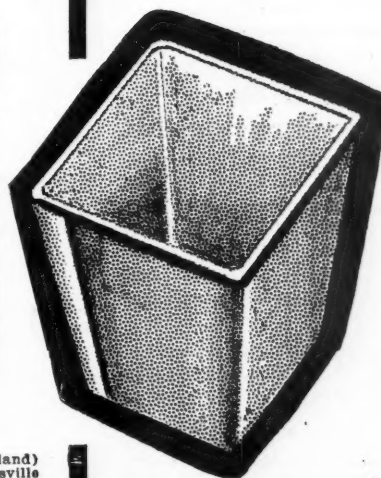
|  |   |  |
|--|---|--|
| <b>1 1/4" Square</b><br>2,500 to 17,500 .....\$6.90 per M<br>20,000 to 72,500 ..... 8.40 per M<br>75,000 and up ..... 5.90 per M<br>2,500 per case—30 lbs. | <b>2 1/4" Square</b><br>2,000 to 18,000 .....\$10.50 per M<br>20,000 to 74,000 ..... 8.75 per M<br>75,000 and up ..... 9.00 per M<br>2,000 per case—36 lbs. | <b>3" Square</b><br>1,000 to 9,000 .....\$17.25 per M<br>10,000 to 49,000 ..... 16.00 per M<br>50,000 and up ..... 14.75 per M<br>1,000 per case—30 lbs. |
| <b>2 1/4" Round</b><br>2,000 to 18,000 .....\$7.75 per M<br>20,000 to 74,000 ..... 7.25 per M<br>75,000 and up ..... 6.75 per M<br>2,000 per case—32 lbs.  | <b>3" Round</b><br>1,000 to 9,000 .....\$13.75 per M<br>10,000 to 49,000 ..... 12.75 per M<br>50,000 and up ..... 11.50 per M<br>1,000 per case—28 lbs.     | <b>4" Round</b><br>500 to 2,000 .....\$28.75 per M<br>2,500 to 9,500 ..... 26.25 per M<br>10,000 and up ..... 24.75 per M<br>500 per case—30 lbs.        |
| <b>4" Axle</b><br>500 to 2,000 .....\$28.75 per M<br>2,500 to 9,500 ..... 26.25 per M<br>10,000 and up ..... 24.75 per M<br>500 per case—28 lbs.           | <b>Freight Allowed</b><br>on 150 Lbs. or More   | <b>Also available in the above sizes—</b><br>THINLINE weight—10-30% less in price.   |

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| <b>New York</b>      | Jackson & Perkins Co., Newark                                     |
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| <b>New Jersey</b>    | Horticultural Supply Co., 2181 E. 55th St., Cleveland 3           |
| <b>Illinois</b>      | I. G. Harmon & Son, 1800 19th St., Canton 4                       |
| <b>Michigan</b>      | E. C. Geiger, North Wales   |
| <b>Minnesota</b>     | Verscharen's Garden Centers, R. 51, Brentwood, Pittsburgh         |
| <b>Massachusetts</b> | New Yorker Bag & Burlap Co., 651 Marshall St., Elizabeth          |
| <b>Oregon</b>        | Somerset Rose Nursery, Inc., New Brunswick                        |
| <b>Canada</b>        | Quackenbush Industries, Inc., 9245 Cherry St., Franklin Pk.       |
|                      | Growers Exchange, Inc., P. O. Box 397, Farmington                 |
|                      | Strickland Seed Store, 1429 Gratiot Ave., Detroit                 |
|                      | Kelley & Kelley, Inc., Long Lake                                  |
|                      | J. Shore & Co., 101-103 Second St., Chelsea                       |
|                      | Portland Wholesale Nursery Co., 5050 S. E. Stark St., Portland 15 |
|                      | The Sheridan Nurseries, Ltd., Sheridan, Ontario                   |

(Prices vary slightly in areas serviced by distributors)

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NORTH TONAWANDA, N. Y. LUDLOW 4444



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guaranteed on all orders.

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Columbus, Miss.

## FINISHED STOCK

|  | Each<br>10 or<br>more |
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| <i>Biota aurea nana</i> Berckmans                      | Each more             |
| 15 to 18 ins., B&B                                     | \$1.40 \$1.20         |
| 18 to 24 ins., B&B                                     | 1.70 1.50             |
| <i>Biota bakeri</i>                                    |                       |
| 24 to 30 ins., B&B                                     | 1.30 1.10             |
| 30 to 36 ins., B&B                                     | 1.60 1.40             |
| 3 to 4 ft., B&B  | 2.00 1.75             |
| 4 to 5 ft., B&B  | 2.50 2.25             |
| <i>Biota Blue Cone</i>                                 |                       |
| 18 to 24 ins., B&B                                     | 1.20 1.00             |
| 24 to 30 ins., B&B                                     | 1.45 1.25             |
| 30 to 36 ins., B&B                                     | 1.70 1.50             |
| <i>Biota Bonita</i>                                    |                       |
| 15 to 18 ins., B&B                                     | 1.30 1.10             |
| 18 to 24 ins., B&B                                     | 1.60 1.40             |
| 24 to 30 ins., B&B                                     | 2.00 1.75             |
| 30 to 36 ins., B&B                                     | 2.25 2.00             |
| <i>Biota Bonita, upright</i> (Brewer's Hybrid)         |                       |
| 18 to 24 ins., B&B                                     | 1.30 1.10             |
| 24 to 30 ins., B&B                                     | 1.45 1.25             |
| 30 to 36 ins., B&B                                     | 2.00 1.75             |
| 3 to 4 ft., B&B  | 2.25 2.00             |
| 4 to 5 ft., B&B  | 2.50 2.25             |
| <i>Biota excelsa</i>                                   |                       |
| 18 to 24 ins., B&B                                     | 1.20 1.00             |
| 24 to 30 ins., B&B                                     | 1.30 1.10             |
| 3 to 4 ft., B&B  | 2.00 1.75             |
| 4 to 5 ft., B&B  | 2.25 2.00             |
| <i>Biota fruitlandi</i>                                |                       |
| 15 to 18 ins., B&B                                     | 1.40 1.20             |
| 18 to 24 ins., B&B                                     | 1.70 1.50             |
| 24 to 30 ins., B&B                                     | 1.95 1.75             |
| <i>Biota slybi</i>                                     |                       |
| 24 to 30 ins., B&B                                     | 1.30 1.10             |
| 30 to 36 ins., B&B                                     | 1.60 1.40             |
| 3 to 4 ft., B&B  | 2.00 1.75             |
| 4 to 5 ft., B&B  | 2.50 2.25             |
| <i>Cedrus deodara</i>                                  |                       |
| 18 to 24 ins., B&B                                     | 1.55 1.35             |
| 24 to 30 ins., B&B                                     | 1.80 1.60             |
| <i>Andorra Juniper</i>                                 |                       |
| 12 to 15 ins., B&B                                     | 1.30 1.10             |
| 15 to 18 ins., B&B                                     | 1.60 1.40             |
| 18 to 24 ins., B&B                                     | 1.95 1.75             |
| 24 to 30 ins., B&B                                     | 2.20 2.00             |
| <i>Juniperus chinensis pfitzeriana</i>                 |                       |
| 12 to 15 ins., B&B                                     | 1.30 1.10             |
| 15 to 18 ins., B&B                                     | 1.70 1.50             |
| 18 to 24 ins., B&B                                     | 2.00 1.75             |
| 24 to 30 ins., B&B                                     | 2.50 2.25             |
| 30 to 36 ins., B&B                                     | 2.75 ...              |
| <i>Juniperus chinensis pfitzeriana compacta</i>        |                       |
| 12 to 15 ins., B&B                                     | 1.30 1.10             |
| 15 to 18 ins., B&B                                     | 1.70 1.50             |
| 24 to 30 ins., B&B                                     | 2.50 2.25             |
| 30 to 36 ins., B&B                                     | 2.75 ...              |
| <i>Juniperus pfitzeriana, blue-gray</i>                |                       |
| 12 to 15 ins., B&B                                     | 1.20 1.00             |
| 15 to 18 ins., B&B                                     | 1.50 1.30             |
| 18 to 24 ins., B&B                                     | 2.00 1.75             |
| 24 to 30 ins., B&B                                     | 2.50 2.25             |
| 30 to 36 ins., B&B                                     | 2.75 2.50             |
| <i>Juniperus chinensis mascula</i>                     |                       |
| 3 to 4 ft., B&B  | 2.75 2.50             |
| 4 to 5 ft., B&B  | 3.25 3.00             |
| <i>Juniperus communis eracovia</i><br>(Polish Juniper) |                       |
| 24 to 30 ins., B&B                                     | 1.20 1.00             |
| 30 to 36 ins., B&B                                     | 1.50 1.25             |

|  | Each<br>10 or<br>more |
|--|-----------------------|
| <i>Juniperus excelsa stricta</i>   | Each more             |
| 12 to 15 ins., B&B   | \$1.20 \$1.00         |
| 15 to 18 ins., B&B   | 1.35 1.20             |
| 24 to 30 ins., B&B   | 2.25 2.00             |
| 30 to 36 ins., B&B   | 2.75 2.50             |
| <i>Juniperus glauca hetzi</i>  |                       |
| 12 to 15 ins., B&B   | 1.20 1.00             |
| 15 to 18 ins., B&B   | 1.50 1.30             |
| 18 to 24 ins., B&B   | 2.00 1.75             |
| 24 to 30 ins., B&B   | 2.50 2.25             |
| <i>Juniperus hibernica fastigiata</i>  |                       |
| 24 to 30 ins., B&B   | 1.10 1.00             |
| 30 to 36 ins., B&B   | 1.40 1.25             |
| <i>Juniperus virginiana burki</i>  |                       |
| 24 to 30 ins., B&B   | 2.75 2.50             |
| <i>Juniperus virginiana burki compacta</i><br>(A counterpart of the well-known<br>J. virginiana burki, except that<br>this one is a beautiful spreading<br>type, maintaining the well-known<br>glaucescous color of the upright form.) |                       |
| 15 to 18 ins., B&B   | 1.75 1.50             |
| 18 to 24 ins., B&B   | 2.25 2.00             |
| <i>Juniperus virginiana canneri</i>  |                       |
| 24 to 30 ins., B&B   | 2.75 2.50             |
| 30 to 36 ins., B&B   | 3.25 3.00             |
| <i>Juniperus virginiana keteleeri</i>  |                       |
| 24 to 30 ins., B&B   | 2.25 2.00             |
| 30 to 36 ins., B&B   | 2.50 2.25             |
| 3 to 4 ft., B&B  | 3.00 2.75             |
| <i>Thuja occidentalis Hetz's Winter Green</i>  |                       |
| 15 to 18 ins., B&B   | 1.40 1.25             |
| 24 to 30 ins., B&B   | 1.75 1.60             |
| 30 to 36 ins., B&B   | 2.25 2.00             |
| <i>Abelia grandiflora</i>  |                       |
| 18 to 24 ins., B&B   | 1.00 .90              |
| <i>Buxus sempervirens eroni</i>  |                       |
| 10 to 12 ins., B&B   | 1.15 1.00             |
| 12 to 15 ins., B&B   | 1.40 1.25             |
| 15 to 18 ins., B&B   | 1.50 ...              |
| <i>Camellia sasanqua Maiden's Blush</i>  |                       |
| 15 to 18 ins., B&B   | 1.15 1.00             |
| 18 to 24 ins., B&B   | 1.40 1.25             |
| <i>Elaeagnus fruitlandi</i>  |                       |
| 18 to 24 ins., B&B   | 1.10 .90              |
| 2 to 3 ft., B&B  | 1.20 1.00             |
| 3 to 4 ft., B&B  | 1.50 1.25             |
| <i>Euonymus patens, small leaf</i>   |                       |
| 15 to 18 ins., B&B   | .95 .75               |
| 18 to 24 ins., B&B   | 1.20 1.00             |
| <i>Euonymus radicans erectus</i>   |                       |
| 15 to 18 ins., B&B   | 1.05 .90              |
| <i>Hex cornuta</i>   |                       |
| 18 to 24 ins., B&B   | 1.45 1.25             |
| 24 to 30 ins., B&B   | 1.70 1.50             |
| <i>Hex cornuta, seedlings</i>  |                       |
| 18 to 24 ins., B&B   | 1.40 1.25             |
| 24 to 30 ins., B&B   | 1.75 1.50             |
| 30 to 36 ins., B&B   | 2.00 1.75             |
| 3 to 4 ft., B&B  | 2.50 2.25             |
| <i>Hex cornuta burfordi</i>  |                       |
| 15 to 18 ins., B&B   | 1.15 1.00             |
| 18 to 24 ins., B&B   | 1.40 1.25             |
| <i>Hex crenata convexa bullata</i>   |                       |
| 10 to 12 ins., B&B   | .85 .70               |
| 12 to 15 ins., B&B   | 1.00 .80              |

## CANNED NURSERY STOCK

|   |               |          |
|---|---------------|----------|
| Priced according to GRADE AND QUALITY.<br>Listed in one-gallon and two-gallon green<br>metal Plantainers and Nurseries. |               |          |
| <i>Elaeagnus fruitlandi</i>   | 1-gal. 2-gal. |          |
| 18 to 24 ins.   | ...           | \$1.10   |
| <i>Euonymus radicans erectus</i>  |               |          |
| 12 to 15 ins.   | ...           | \$0.50   |
| <i>Gardenia fortunei</i>  |               |          |
| 15 to 18 ins.   | ...           | .50      |
| 18 to 24 ins.   | ...           | .60      |
| <i>Hex cornuta burfordi</i>   |               |          |
| 12 to 15 ins.   | ...           | .55      |
| 15 to 18 ins.   | ...           | 1.10     |
| <i>Hex cornuta, male</i>  |               |          |
| 12 to 15 ins.   | ...           | .55      |
| <i>Hex cornuta, seedlings</i>   |               |          |
| 12 to 15 ins.   | ...           | .50      |
| 15 to 18 ins.   | ...           | .60      |
| <i>Hex crenata buxifolia</i>  |               |          |
| 12 to 15 ins.   | ...           | .70 1.10 |
| 15 to 18 ins.   | ...           | 1.25     |

|  |               |        |      |
|--|---------------|--------|------|
| <i>Hex crenata rotundifolia</i>  | Each more     | 1.00   | 1.00 |
| 24 to 30 ins., B&B   |               | 2.25   | 2.00 |
| <i>Hex glabra</i> (Inkberry)   |               |        |      |
| 12 to 15 ins., B&B   |               | 1.00   | 1.00 |
| 15 to 18 ins., B&B   |               | 1.15   | 1.00 |
| 18 to 24 ins., B&B   |               | 1.40   | 1.20 |
| <i>Hex opaca East Palatka</i>  |               |        |      |
| 18 to 24 ins., B&B   |               | 1.20   | 1.00 |
| 30 to 36 ins., B&B   |               | 1.70   | 1.50 |
| 3 to 4 ft., B&B  |               | 2.75   | 2.50 |
| 4 to 5 ft., B&B  |               | 3.25   | 3.00 |
| <i>Hex opaca Howard</i>  |               |        |      |
| 2 to 3 ft., B&B  |               | 2.25   | 2.00 |
| 3 to 4 ft., B&B  |               | 3.25   | 3.00 |
| <i>Hex opaca Howard, seedlings</i>   |               |        |      |
| 3 to 4 ft., B&B  |               | 2.75   | 2.50 |
| 4 to 5 ft., B&B  |               | 3.50   | 3.25 |
| 5 to 6 ft., B&B  |               | 4.00   | 3.75 |
| <i>Hex vomitoria</i>   |               |        |      |
| 2 to 3 ft., B&B  |               | 2.00   | 1.75 |
| 3 to 4 ft., B&B  |               | 2.50   | 2.25 |
| <i>Hex crenata hetzi</i>   |               |        |      |
| 10 to 12 ins., B&B   |               | .90    |      |
| <i>Jasminum floridum</i>   |               |        |      |
| 18 to 24 ins., B&B   |               | .95    |      |
| 2 to 3 ft., B&B  |               | 1.20   | 1.00 |
| (Deduct 50% if wanted B.R.)  |               |        |      |
| <i>Laurocerasus caroliniana</i><br>(Cherry Laurel)                               |               |        |      |
| 3 to 4 ft., B&B  |               | 1.75   | 1.50 |
| 4 to 5 ft., B&B  |               | 2.75   | 2.50 |
| <i>Ligustrum lucidum compactum</i>   |               |        |      |
| 18 to 24 ins., B&B   |               | 1.00   | 1.00 |
| 24 to 30 ins., B&B   |               | 1.25   | 1.00 |
| 30 to 36 ins., B&B   |               | 1.50   | 1.25 |
| <i>Magnolia grandiflora</i>  |               |        |      |
| 2 to 3 ft., B&B  |               | 1.75   | 1.50 |
| 3 to 4 ft., B&B  |               | 2.75   | 2.50 |
| 4 to 5 ft., B&B  |               | 3.75   | 3.50 |
| <i>Nandina domestica</i>   |               |        |      |
| 15 to 18 ins., B&B   |               | .95    |      |
| 18 to 24 ins., B&B   |               | 1.15   | 1.00 |
| 24 to 30 ins., B&B   |               | 1.40   | 1.20 |
| <i>Photinia serrulata</i>  |               |        |      |
| 15 to 18 ins., B&B   |               | .90    |      |
| 18 to 24 ins., B&B   |               | 1.10   | 1.00 |
| 2 to 3 ft., B&B  |               | 1.20   | 1.00 |
| <i>Viburnum tinus</i>  |               |        |      |
| 24 to 30 ins., B&B   |               | 1.40   | 1.20 |
| 30 to 36 ins., B&B   |               | 2.00   | 1.75 |
| <i>Acer palmatum atropurpureum</i> ,<br>seedlings (Red-leaved Japanese<br>Maple) |               |        |      |
| 18 to 24 ins., B&B   |               | 2.00   | 1.75 |
| <i>Euonymus alatus compactus</i>   |               |        |      |
| 18 to 24 ins., B&B   |               | 1.40   | 1.20 |
| 2 to 3 ft., B&B  |               | 1.75   | 1.50 |
| (Deduct 50% if wanted B.R.)  |               |        |      |
| <i>Hypericum patulum</i> (St.-John's-<br>wort or sandproof)                      |               |        |      |
| 2 to 3 ft., B&B  |               | 1.40   | 1.20 |
| <i>Magnolia soulangeana</i>  |               |        |      |
| 2 to 3 ft., B&B  |               | 2.00   | 1.75 |
| <i>Spiraea reevesiana flore-plena</i><br>(Double Reeves Spiraea)                 |               |        |      |
| 3 to 4 ft., B&B  |               | 1.25   | 1.00 |
| <i>Ligustrum lucidum compactum</i>   | 1-gal. 2-gal. | 3-6    | 6-12 |
| 12 to 15 ins.  |               | \$0.50 |      |
| 15 to 18 ins.  |               | .55    |      |
| 18 to 24 ins.  |               | .65    |      |
| 24 to 30 ins.  |               | 1.00   |      |
| <i>Magnolia grandiflora</i>  |               |        |      |
| 12 to 15 ins.  |               | .60    |      |
| 2 to 3 ft.   |               | .90    |      |
| <i>Fodocarpus sinensis</i>   |               |        |      |
| 12 to 15 ins.  |               | .55    |      |
| 15 to 18 ins.  |               | .60    |      |
| <i>Pyracantha coccinea lalandi</i>   |               |        |      |
| 15 to 18 ins.  |               | .55    |      |
| 18 to 24 ins.  |               | .65    |      |
| 2 to 3 ft.   |               | .80    |      |
| 3 to 4 ft.   |               | 1.00   |      |
| <i>Liquidambar styraciflua</i><br>(Sweet Gum)                                    |               |        |      |
| 2 to 3 ft.   |               | .60    |      |
| 3 to 4 ft.   |               | .75    |      |

## LINING-OUT STOCK

|                                  | Each    |          | Each    |          |                                  | Each    |          | Each    |          |
|----------------------------------|---------|----------|---------|----------|----------------------------------|---------|----------|---------|----------|
|                                  | Per 100 | Per 1000 | Per 100 | Per 1000 |                                  | Per 100 | Per 1000 | Per 100 | Per 1000 |
| Juniperus horizontalis douglasii |         |          |         |          | Hex crenata buxifolia            |         |          |         |          |
| 2 1/4-in. pots                   | \$0.20  | \$0.18   |         |          | 2 1/4-in. pots                   | \$0.15  | \$0.14   |         |          |
| Juniperus japonica procumbens    |         |          |         |          | 2 1/2-in. pots                   | .16     | .15      |         |          |
| *2 1/4-in. pots                  | .27     | .25      |         |          | Hex crenata fosteri No. 1        |         |          |         |          |
| Juniperus sabina tamariscifolia  |         |          |         |          | 2 1/4-in. pots                   | .18     | .16      |         |          |
| 2 1/4-in. pots                   | .22 1/2 | .20      |         |          | Hex crenata hetzi                |         |          |         |          |
| 2 1/2-in. pots                   | .25     | .22 1/2  |         |          | 2 1/4-in. pots                   | .17     | .16      |         |          |
| Juniperus virginiana burki       |         |          |         |          | 2 1/2-in. pots                   | .18     | .17      |         |          |
| 2 1/4-in. pots                   |         |          |         |          | 6 to 8 ins., well-br.            | .14     | .12      |         |          |
| See description in B&B list.     |         |          |         |          | Hex crenata repandens            |         |          |         |          |
| 2 1/4-in. pots                   | .27     | .25      |         |          | 2 1/4-in. pots                   | .15     | .14      |         |          |
| Juniperus virginiana keteleeri   |         |          |         |          | *2 1/2-in. pots                  | .16     | .15      |         |          |
| 2 1/4-in. pots                   | .22     | .20      |         |          | Hex opaca East Palatka           |         |          |         |          |
| Taxus cuspidata                  |         |          |         |          | 2 1/4-in. pots                   | .16     | .15      |         |          |
| 2 1/4-in. pots                   | .19     | .17      |         |          | 2 1/2-in. pots                   | .18     | .17      |         |          |
| 2 1/2-in. pots                   | .20     | .18      |         |          | Hex opaca femina                 |         |          |         |          |
| Taxus media andersoni            |         |          |         |          | 2 1/4-in. pots                   | .19     | .18      |         |          |
| *2 1/4-in. pots                  | .18     | .17      |         |          | 2 1/2-in. pots                   | .22     | .20      |         |          |
| Taxus media hicksii              |         |          |         |          | Hex opaca Howard                 |         |          |         |          |
| 2 1/4-in. pots                   | .19     | .17      |         |          | *2 1/4-in. pots                  | .19     | .18      |         |          |
| 2 1/2-in. pots                   | .20     | .18      |         |          | *2 1/2-in. pots                  | .22     | .20      |         |          |
| Taxus media sieboldii            |         |          |         |          | Laurocerasus caroliniana         |         |          |         |          |
| 2 1/4-in. pots                   | .18     | .17      |         |          | (Cherry Laurel)                  |         |          |         |          |
| Abelia grandiflora               |         |          |         |          | 8 to 12 ins., S.                 | .10     | .08      |         |          |
| 2 1/4-in. pots                   | .15     | .14      |         |          | 2 1/4-in. pots                   | .14     | .12      |         |          |
| 2 1/2-in. pots                   | .17     | .16      |         |          | 2 1/2-in. pots                   | .16     | .14      |         |          |
| Berberis julianae                |         |          |         |          | Ligustrum sinense pendula        |         |          |         |          |
| 2 1/4-in. pots                   | .20     | .18      |         |          | (Weeping Amur River              |         |          |         |          |
| 2 1/2-in. pots                   | .22 1/2 | .20      |         |          | South Privet)                    |         |          |         |          |
| Buxus sempervirens cronii        |         |          |         |          | 2 1/4-in. pots                   | .10     | .08      |         |          |
| 2 1/4-in. pots                   | .20     | .18      |         |          | Ligustrum Texanum                |         |          |         |          |
| 2 1/2-in. pots                   | .22     | .20      |         |          | 2 1/4-in. pots                   | .17     | .15      |         |          |
| Cleyera japonica                 |         |          |         |          | 2 1/2-in. pots                   | .19     | .17      |         |          |
| 2 1/2-in. pots                   | .20     | .18      |         |          | Pyracantha belli, red fruit      |         |          |         |          |
| Cleyera ochnacea                 |         |          |         |          | *2 1/4-in. pots                  | .20     | .18      |         |          |
| 2 1/4-in. pots                   | .22     | .20      |         |          | Pyracantha Government Red        |         |          |         |          |
| Elaeagnus fruticosa              |         |          |         |          | *2 1/4-in. pots                  | .18     | .16      |         |          |
| 2 1/4-in. pots                   | .16     | .15      |         |          | *2 1/2-in. pots                  | .20     | .18      |         |          |
| 2 1/2-in. pots                   | .18     | .17      |         |          | Pyracantha yunnanensis,          |         |          |         |          |
| Euonymus japonicus aureo-        |         |          |         |          | red fruit                        |         |          |         |          |
| variegatus                       |         |          |         |          | *2 1/4-in. pots                  | .17     | .16      |         |          |
| 2 1/4-in. pots                   | .22     | .20      |         |          | Acer palmatum atropurpureum,     |         |          |         |          |
| 2 1/2-in. pots                   | .24     | .22      |         |          | seedlings                        |         |          |         |          |
| Gardenia fortunei                |         |          |         |          | 2 1/4-in. pots                   | .21     | .20      |         |          |
| 2 1/4-in. pots                   | .16     | .15      |         |          | *2 1/2-in. pots                  | .26     | .25      |         |          |
| *2 1/2-in. pots                  | .18     | .16      |         |          | Berberis thunbergii atropurpurea |         |          |         |          |
| Hex aquifolium                   |         |          |         |          | 2 1/4-in. pots                   | .11     | .10      |         |          |
| 2 1/4-in. pots                   | .20     | .18      |         |          | 2 1/2-in. pots                   | .13     | .12      |         |          |
| Hex cornuta, seedlings           |         |          |         |          | Cornus florida                   |         |          |         |          |
| 2 1/4-in. pots                   | .17     | .15      |         |          | 2 1/4-in. pots                   | .12     | .10      |         |          |
| Hex cornuta burfordii            |         |          |         |          | 2 1/2-in. pots                   | .14     | .12      |         |          |
| 2 1/4-in. pots                   | .14     | .12      |         |          | Lagerstroemia indica Wm.         |         |          |         |          |
| 2 1/2-in. pots                   | .17     | .15      |         |          | Toovey (Crape Myrtle)            |         |          |         |          |
| Hex cornuta femina               |         |          |         |          | 2 1/4-in. pots                   | .17     | .16      |         |          |
| 2 1/4-in. pots                   | .20     | .18      |         |          | 2 1/2-in. pots                   | .20     | .18      |         |          |
| 2 1/2-in. pots                   | .22     | .20      |         |          | Liquidambar styraciflua          |         |          |         |          |
| Hex cornuta, male                |         |          |         |          | (Sweet Gum Tree)                 |         |          |         |          |
| 2 1/4-in. pots                   | .17     | .15      |         |          | 8 to 12 ins., S.                 | .07     | .06      |         |          |
| 2 1/2-in. pots                   | .19     | .17      |         |          | Hedera helix (English Ivy)       |         |          |         |          |
|                                  |         |          |         |          | 2 1/4-in. pots                   | .16     | .15      |         |          |
|                                  |         |          |         |          | 2 1/2-in. pots                   | .18     | .16      |         |          |

## SURPLUS—LINING-OUT STOCK—EXCELLENT QUALITY

We offer you these at real BARGAIN PRICES.

|                                  | Each    |          | Each    |          |                              | Each    |          | Each    |          |
|----------------------------------|---------|----------|---------|----------|------------------------------|---------|----------|---------|----------|
|                                  | Per 100 | Per 1000 | Per 100 | Per 1000 |                              | Per 100 | Per 1000 | Per 100 | Per 1000 |
| Juniperus japonica               |         |          |         |          | Pittosporum tobira           |         |          |         |          |
| 2 1/4-in. pots                   | \$0.12  | \$0.10   |         |          | 1 to 1 1/2 ins., S.          | \$0.04  | \$0.03   |         |          |
| 2 1/2-in. pots                   | .14     | .12      |         |          | 2 1/4-in. pots               | .10     | .08      |         |          |
| 2 1/2-in. pots                   |         |          |         |          | 2 1/2-in. pots               | .12     | .10      |         |          |
| Euonymus microphyllus Pulchellus |         |          |         |          | Pyracantha coccinea lalandii |         |          |         |          |
| 2 1/4-in. pots                   | .12     | .10      |         |          | Strong, R. C.                | .08     | .06      |         |          |
| Euonymus radicans erectus        |         |          |         |          | 2 1/4-in. pots               | .12     | .10      |         |          |
| 2 1/4-in. pots                   | .10     | .08      |         |          | 2 1/2-in. pots               | .14     | .12      |         |          |
| Hex convexa bullata              |         |          |         |          | Viburnum tinus               |         |          |         |          |
| 2 1/4-in. pots                   | .12     | .10      |         |          | 2 1/2-in. pots               | .10     | .08      |         |          |
| 6 to 8 ins., beds, well-br.      | .14     | .12      |         |          | Spiraea Anthony Waterer      |         |          |         |          |
| Hex crenata rotundifolia         |         |          |         |          | 2 1/4-in. pots               | .10     | .08      |         |          |
| 2 1/4-in. pots                   | .10     | .08      |         |          |                              |         |          |         |          |
| Hex opaca Howard, seedlings      |         |          |         |          |                              |         |          |         |          |
| 2 1/4-in. pots                   | .12     | .10      |         |          |                              |         |          |         |          |

SPECIAL NOTICE: Items marked by (\*) will be available for April delivery. All items not so marked are ready for immediate or later shipment to suit customer's requirements.

I. G. OWEN &amp; SON, INC.

Columbus, Miss.

# HOW MANY ? of these do you have in your planting list ?

Keep your assortment up to date with these superior varieties.  
30 at 100 rate; 250 at 1000 rate.

## SHRUBS

|   | Each<br>Per 100 | Each<br>Per 1000 |
|---|-----------------|------------------|
| <i>Caryopteris</i> , Blue Spiraea, Azure (New). Deeper blue flowers and more compact shrub than Blue Mist. Late summer bloom makes it ideal for potting for summer sales.                   |                 |                  |
| 2-in. pots  | \$0.18          | \$0.16           |
| <i>Deutzia corymbosa</i> (Himalaya Deutzia). Great masses of double white flowers in drooping panicles in early summer. Very showy.   |                 |                  |
| 2 1/4-in. pots  | .18             | .16              |
| <i>Forsythia</i> , Arnold's Giant. An introduction of the Arnold Arboretum. Has giant, deep yellow flowers and produces a compact shrub. Should be in all Forsythia lists.                  |                 |                  |
| 2-in. pots  | .18             | .16              |
| <i>Lagerstroemia indica</i> , Hewitt's Rose. This is the hardest strain of crape myrtle that we have ever found. Has withstood below zero temperatures for many winters. Deep pink flowers. |                 |                  |
| 2 1/4-in. pots  | .18             | .16              |
| <i>Spiraea japonica coccinea</i> . Similar to Spiraea Anthony Waterer but with more brilliant red flowers. Becoming very popular.   |                 |                  |
| 2-in. pots  | .20             | .18              |
| <i>Syringa rothomagensis</i> . Cut-leaved (new). Deeply cut leaves give the shrub a graceful, lacy appearance, rich reddish-purple blooms both spring and fall.                             |                 |                  |
| 2 1/4-in. pots  | .20             | .18              |
| <i>Syringa rothomagensis</i> , pink. Something different! Flowers a beautiful pink instead of the usual purple. An outstanding novelty.   |                 |                  |
| 2 1/4-in. pots  | .20             | .18              |

## VINES

|   |     |     |
|---|-----|-----|
| <i>Lonicera japonica</i> , purple-leaved. Evergreen foliage; bronzy in summer, purple in fall and winter. Fragrant creamy-pink flowers all summer. Vigorous grower, responds to shearing. Useful for planter boxes, hedges and screens. |     |     |
| 2-in. pots  | .18 | .16 |
| <i>Lonicera japonica</i> , Yellownet. Yellow foliage overlain with green veins produces a striking and colorful effect. Potted and sheared into globes, it makes a good item for summer sales.  |     |     |
| 2-in. pots  | .18 | .16 |
| <i>Lonicera telimanniana</i> , Redgold (Trade-Mark). Giant trumpet shaped flowers—probably the largest of any honeysuckle. Golden yellow, flushed red. May-June.  |     |     |
| 2 1/4-in. pots  | .20 | .18 |

## TREES

|  |     |     |
|--|-----|-----|
| <i>Albizia julibrissin</i> . Silk tree. Growful tree with compound foliage and bright pink plumelike flowers. Blooms over a long period during the summer.   |     |     |
| 12 to 18 ins.  | .08 | .07 |
| <i>Sophora japonica</i> (Japanese Pagoda Tree or Chinese Scholar Tree). Summer blooming with green bark even when mature. Withstands extreme drought. Desirable shade and ornamental tree. Seldom attacked by disease and insects. |     |     |
| 12 to 18 ins.  | .20 | .15 |
| 9 to 12 ins.   | .12 | .10 |
| 6 to 9 ins.  | .08 | .07 |
| 3 to 6 ins.  | .06 | .05 |
| <i>Ulmus carpinifolia</i> Christine Buisman. U.S.D.A. introduction. Immune to phloem necrosis and not affected by Dutch elm disease. A beautiful shade tree that can be freely planted without fear of being lost by disease.      |     |     |
| 2 1/4-in. pots   | .40 | .35 |
| <i>Ulmus parvifolia</i> (True Chinese Elm). Small tree with small leaves. Excellent for hedges and screens, either informal or sheared.  |     |     |
| 2 to 3 ft.   | .15 | ..  |
| 18 to 24 ins.  | .10 | ..  |
| 12 to 18 ins.  | .07 | ..  |
| 6 to 12 ins.   | .05 | ..  |
| <i>Zelkova serrata</i> (Japanese Keaki Tree). Graceful vasselike form. Small leaves resemble those of the elm. Free from the diseases that attack the elm.   |     |     |
| 2 to 3 ft.   | .20 | .15 |
| 18 to 24 ins.  | .15 | .12 |
| 12 to 18 ins.  | .09 | .08 |
| 6 to 12 ins.   | .07 | .06 |

## BROAD-LEAVED EVERGREENS

|   |     |     |
|---|-----|-----|
| <i>Euonymus Du Pont</i> . Small dark green clean-cut leaves set closely on the stems. Very bushy and compact. Excellent for planter boxes and dwarf hedges.   |     |     |
| 2-in. pots  | .22 | .20 |
| <i>Euonymus Manhattan</i> (New). Originated at Kansas State University. Medium-size leaves, dark glossy green. Makes good specimens as well as hedges. Destined to become one of the most popular selections. |     |     |
| 2-in. pots  | .22 | .20 |
| <i>Euonymus Sarcocoe</i> . Grows upright naturally. Makes good shrubs and thick hedges. Dark green leaves year round. Hardy north.  |     |     |
| 2 1/4-in. pot   | .22 | .20 |
| <i>Lonicera yunnanensis</i> (Yunnan Honeysuckle). Low-spreading, shrubby, broad-leaved evergreen with refined foliage. A real gem that fits into the most aristocratic plantings.                             |     |     |
| 2-in. pots  | .25 | .22 |

Write for our complete list of lining-out stock.

## THE WILLIS NURSERY CO.

"Your Wholesale Nurseryman"  
Ottawa, Kan.

## ILLINOIS SHORT COURSE

Harleigh Kemmerer, secretary of the Illinois State Nurserymen's Association, announces that the dates for the I. S. N. A. short course this year are June 21 and 22, the sessions being held at the University of Illinois, Urbana.

## VIRGINIA SHORT COURSE

May 4 to 6 are the dates announced for the sixth annual Virginia landscape short course. It will be held at the Virginia Polytechnic Institute, Blacksburg, Va., according to Albert S. Beecher, associate horticulturist at the institute.

## MAIL-ORDER CONVENTION

The annual convention of the National Mail Order Nurserymen's Association has been scheduled for August 7 to 9, according to a general announcement by the program committee of the association. The Hotel La Salle, Chicago, Ill., has been named headquarters for the event.

## TWO SITES FOR TEXANS

Two hotels at Dallas, Tex., the Adolphus and the Baker, were recently designated joint headquarters for the annual convention and trade show of the Texas Association of Nurserymen, to be held August 14 to 17. In making the announcement, the convention executive committee pointed out that the new ground-floor ballroom of the Adolphus hotel, where the trade show will be staged, offers greater convenience for both exhibitors and visitors.

Steve Dodd, Dallas, and Don West, Garden Center Supply Co., Dallas, are cochairmen of the committee, and Gene Howard, Howard Montopolis Nursery, Austin, is treasurer.

## OHIO MEETING DATES

The Commodore Perry hotel, Toledo, O., will be headquarters for members of the Ohio Nurserymen's Association attending the group's summer meeting. The dates for the event are August 9 to 11, according to George F. Gens, secretary-treasurer of the association. Host will be the Landscape Nurserymen's Association of Toledo.

## NUT GROWERS' MEETING

Knoxville, Tenn., has been selected convention site for the 51st annual meeting of the Northern Nut Grow-



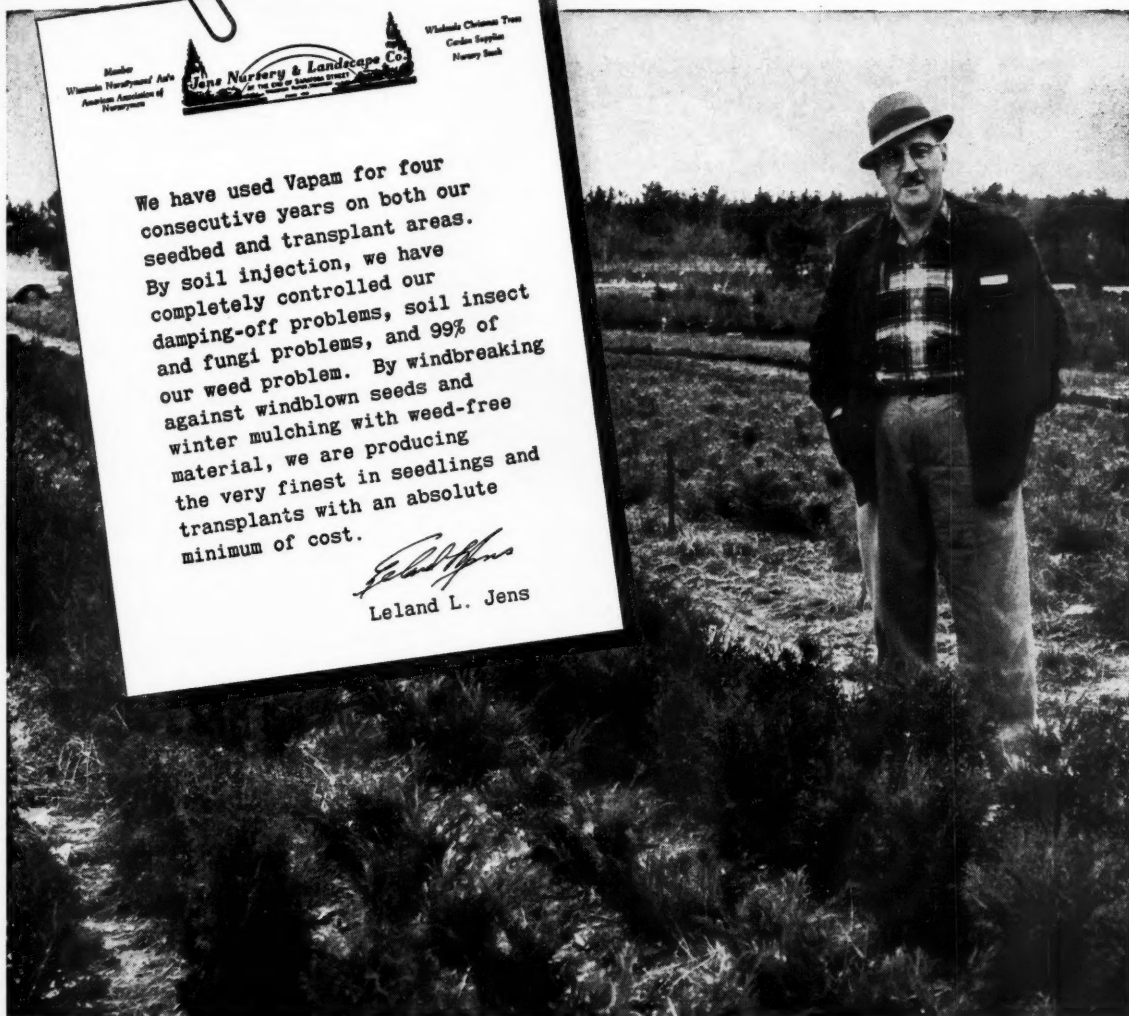
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Wisconsin Nurserymen's Ass'n  
American Association of Nurserymen

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For the sale of evergreen trees

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Garden Supplies  
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We have used Vapam for four consecutive years on both our seedbed and transplant areas. By soil injection, we have completely controlled our damping-off problems, soil insect and fungi problems, and 99% of our weed problem. By windbreaking against windblown seeds and winter mulching with weed-free material, we are producing the very finest in seedlings and transplants with an absolute minimum of cost.

*Leland L. Jens*  
Leland L. Jens



*Mr. Jens is shown as he makes a periodical inspection of a block of his young evergreens.*

## Clean soil produces more profits

Mr. Leland L. Jens, Jens Nursery and Landscape Co., Wisconsin Rapids, Wisconsin, is one of the most progressive nurserymen in the Great Lakes region. Read what he says above about VAPAM® soil fumigant.

Nurserymen in all parts of the country are discovering that soil fumigation with VAPAM not only *reduces* production expenses, but returns additional profits in better, more vigorous plants. In the first place, VAPAM controls weeds, germinating weed seed, nematodes, and soil fungi. It gets rid of most of your plants' soil-borne enemies.

Then, moisture and plant foods can give their full growth-power to producing plants that command top prices.

VAPAM is an easy-to-use liquid that doesn't require special application equipment, and does not leave harmful residues in the soil after the fumigant disappears. Applications methods, dosage rates and other details are on the label.

Clean your soil with VAPAM. See your local supplier, or write for further information to: Stauffer Chemical Company, 380 Madison Avenue, New York 17, N. Y.

Stauffer is one of America's largest specialists in farm chemicals. Use Stauffer brand INSECTICIDES, FUNGICIDES, WEED KILLERS, MITICIDES, SEED PROTECTANTS, FUMIGANTS, GROWTH REGULATORS, GRAIN PROTECTANTS, DEFOLIANTS.

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### Controls Grass the Easy Way

Union Plastic Lawn Edging is a tough polyethylene material for edging along walks, around trees and shrubs and flower beds. It's easy to use and it provides positive control over the spread of grass into areas where it is unwanted.

Safe! It won't harm mower blades if it is accidentally mowed over. Even when stepped on, it won't break or crack.

Completely resists rot...corrosion...rust...alkalies or acids in soil...salt air and spray...stain. Easily cut to desired length with garden shears or scissors.

40 ft. long,  
4 in. wide.  
Green only.

## UNION PRODUCTS, INC.

LEOMINSTER, MASS.

ers Association. Prof. J. C. McDaniel, department of horticulture, University of Illinois, Urbana, vice-president of the association, announced the dates as being August 15 to 17.

### SOUTHERN CONVENTION

August 21 to 23 are the dates announced for the annual convention of the Southern Nurserymen's Association by D. P. Henegar, executive secretary of the association. Headquarters will be the Atlanta Biltmore hotel, Atlanta, Ga. Convention chairman is Don Hastings, H. G. Hastings Co., Atlanta.

### SHADE TREE DATES

The National Shade Tree Conference recently announced August 14 to 19 as the dates for its annual meeting this year. The Statler hotel, Boston, Mass., will be the meeting place.

### NEW ENGLAND PLANS

The executive committee of the New England Nurserymen's Association voted recently to accept an invitation to hold the N. E. N. A. summer meeting at Boulevard Nurseries, Newport, R. I., with two other Newport firms, Case Hoogendoorn, Nurseryman, and the Rhode Island Nurseries, as joint hosts. The date for the meeting was subsequently confirmed as August 17.

### IOWA SUMMER MEETING

August 18 and 19 are the dates selected for the summer meeting of the Iowa Nurserymen's Association, according to an announcement in the association's Newsletter. Iowa State University, Ames, will host the meeting.

### CHRISTMAS TREE MEETING

The first nation-wide convention of Christmas tree growers is scheduled to be held at Purdue University, Lafayette, Ind., in August. The convention, which will include technical sessions, exhibits, business meetings and a banquet, will be open only to members of National Christmas Tree Growers' Association, Inc., and invited guests.

### LOUISIANA CONVENTION

James A. Foret, secretary of the Louisiana Association of Nurserymen, announced recently that the L. A. N. convention will be held

# SNOW·SNOW·SNOW

40 inches of snow since January has slowed us down with our digging and our shipping, but we can still supply the following if your order is received immediately. Shipped bare root.

Order in multiples of 10.

|   | Each   |                                     | Each   |
|---|--------|-------------------------------------|--------|
| <b>Crimson King Maple, whips</b>                  |        | <b>True Pin Oak, br.</b>            |        |
| 500 2 to 3 ft. ....                               | \$1.50 | 1000 4 to 5 ft. ....                | \$1.00 |
| 500 3 to 4 ft. ....                               | 1.75   | 1000 5 to 6 ft. ....                | 1.50   |
| 500 4 to 5 ft. ....                               | 2.25   | <b>Red Crape Myrtle, br.</b>        |        |
| 100 5 to 6 ft. ....                               | 2.75   | 2000 18 to 24 ins. ....             | .30    |
| 100 6 to 8 ft. ....                               | 3.50   | <b>Hydrangea P. G., br.</b>         |        |
| 100 8 to 10 ft. ....                              | 5.00   | 2000 18 to 24 ins. ....             | .20    |
| <b>Chinese Chestnut</b>                           |        | <b>Forsythia spectabilis, br.</b>   |        |
| 1000 3 to 4 ft. ....                              | .75    | 2000 18 to 24 ins. ....             | .20    |
| 1000 4 to 5 ft. ....                              | 1.00   | <b>Pink-Flowering Almond, br.</b>   |        |
| <b>Apple, 5-N-1</b>                               |        | 2000 18 to 24 ins. ....             | .30    |
| 1000 11/16-in. cal. ....                          | 1.15   | <b>Cydonia japonica, red, br.</b>   |        |
| 1000 9/16-in. cal. ....                           | 1.00   | 2000 18 to 24 ins. ....             | .35    |
| <b>Moraine Locust</b>                             |        | <b>Pussy Willow, br.</b>            |        |
| 250 5 to 6 ft. ....                               | 3.00   | 2000 18 to 24 ins. ....             | .15    |
| 250 6 to 8 ft. ....                               | 3.50   | <b>Lonicera zabeli, red, br.</b>    |        |
| <b>Sunburst Locust, New</b>                       |        | 2000 18 to 24 ins. ....             | .15    |
| 250 5 to 6 ft. ....                               | 3.00   | <b>Weigela Eva Rathke, red, br.</b> |        |
| 250 6 to 8 ft. ....                               | 3.50   | 2000 18 to 24 ins. ....             | .35    |
| <b>The RAINBOW Tree</b>                           |        |                                     |        |
| (5-N-1 Flowering Crab Apple)                      |        |                                     |        |
| 1000 3 to 4 ft. ....                              | 1.25   |                                     |        |
| 1000 4 to 5 ft. ....                              | 1.50   |                                     |        |
| <b>Kwanzan Cherry, double pink-flowering, br.</b> |        |                                     |        |
| 250 3 to 4 ft. ....                               | 2.50   |                                     |        |
| <b>Weeping Flowering Cherry</b>                   |        |                                     |        |
| 100 5-ft. standards, grafted heads ....           | 6.00   |                                     |        |
| <b>Hopa Flowering Crab Apple, whips</b>           |        |                                     |        |
| 500 2 to 3 ft. ....                               | .30    |                                     |        |
| 500 3 to 4 ft. ....                               | .35    |                                     |        |
| <b>Hopa Flowering Crab Apple, br.</b>             |        |                                     |        |
| 200 4 to 5 ft. ....                               | .75    |                                     |        |
| 200 5 to 6 ft. ....                               | 1.00   |                                     |        |
| <b>Eleyi Flowering Crab Apple, whips</b>          |        |                                     |        |
| 500 2 to 3 ft. ....                               | .30    |                                     |        |
| 500 3 to 4 ft. ....                               | .35    |                                     |        |
| <b>Eleyi Flowering Crab Apple, br.</b>            |        |                                     |        |
| 200 4 to 5 ft. ....                               | .75    |                                     |        |
| 200 5 to 6 ft. ....                               | 1.00   |                                     |        |
| <b>Bechtel's Flowering Crab Apple</b>             |        |                                     |        |
| (Improved Klehm's)                                |        |                                     |        |
| 250 3 to 4 ft. ....                               | .90    |                                     |        |
| <b>Almey Crimson Flowering Crab Apple, New</b>    |        |                                     |        |
| 250 3 to 4 ft. ....                               | .80    |                                     |        |
| 250 4 to 5 ft. ....                               | 1.00   |                                     |        |

## HEDGE PLANTS

Order in multiples of 100.

|                                    |          |
|------------------------------------|----------|
| <b>Red-Leaved Barberry</b>         | Per 1000 |
| 5000 2-yr., S., 6 to 12 ins. ....  | \$50.00  |
| 5000 2-yr., S., 12 to 18 ins. .... | 75.00    |
| <b>Amur River North Privet</b>     |          |
| 10,000 6 to 12 ins., 2 br. ....    | 35.00    |
| 10,000 12 to 18 ins., 2 br. ....   | 40.00    |
| 10,000 12 to 18 ins., 3 br. ....   | 60.00    |
| 5000 18 to 24 ins., 2 br. ....     | 50.00    |
| 5000 18 to 24 ins., 3 br. ....     | 75.00    |
| <b>California Privet</b>           |          |
| 10,000 6 to 12 ins. ....           | 25.00    |
| 10,000 12 to 18 ins., 2 br. ....   | 35.00    |
| 10,000 12 to 18 ins., 3 br. ....   | 45.00    |
| 5000 Grafting grade ....           | 30.00    |
| <b>Ibolium Privet</b>              |          |
| 5000 6 to 12 ins., 2 br. ....      | 30.00    |
| 5000 12 to 18 ins., 2 br. ....     | 40.00    |
| 5000 12 to 18 ins., 3 br. ....     | 60.00    |
| 5000 18 to 24 ins., 2 br. ....     | 45.00    |
| 5000 18 to 24 ins., 3 br. ....     | 75.00    |

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McMinnville, Tenn.





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**MERION**  
KENTUCKY BLUEGRASS  
their "STAMP OF APPROVAL"

"For Southern Michigan, Merion rates first choice for open, sunny lawns with good soil conditions and good management."

**JAMES TYSON**  
Prof. of Soil Science  
Michigan State University

"Merion has given a very good account of itself in Milwaukee and the surrounding area of Wisconsin for use on lawns."

**O. J. NOER**, Agronomist  
Milwaukee Sewerage Comm.

"Tests at Wooster have shown Merion to be superior to other available bluegrasses, provided adequate nitrogen fertilizer is applied."

**DR. R. R. DAVIS**, Agronomist  
Ohio Agricultural  
Experiment Station

"I do not know of any words to evaluate this fine turfgrass any better than its inclusion in our U. of Rhode Island mixtures 1 and 2."

**DR. J. A. DeFRANCE**  
Agronomist, University  
of Rhode Island

"The Pennsylvania Agricultural Experiment Station recommends Merion... either alone or in mixtures for lawns in Pennsylvania... also as a part of athletic field mixtures."

**H. B. MUSSER**,  
Prof. of Agronomy  
Pennsylvania State Univ.

"In summary, while Merion Kentucky Bluegrass does not rank supreme for all types of turfgrass areas, it is rapidly establishing itself as the best lawn grass in the New Jersey-New York City area."

**RALPH E. ENGEL**  
Farm Crops Dept.  
Rutgers University

"Tests at Toro Research and Development Center over five years have shown... under adequate fertility, Merion produces a dense, weed-free, wear-resistant turf, definitely superior."

**DR. J. R. WATSON JR.**  
Chief Agronomist  
Toro Mfg. Corporation

"Sturdy growth... pleasing color... ability to thrive with limited water... and small amount of seed necessary to establish coverage are factors enjoyed by those using Merion."

**CHARLES K. HALLOWELL**  
Mid-Atlantic Dir.  
U. S. Golf Assn.,  
Green Section

"Merion has rapidly become the outstanding lawn grass in the Inland Empire. It is also rapidly replacing other turf grasses for use on golf course tees, fairways and in parks."

**A. G. LAW**, Assoc. Prof.  
Washington State College

## Read about some Outstanding MERION Prize Turfs

Below are listed just a few of the well known stadiums and other public areas seeded with Merion Kentucky Bluegrass

See MERION in late summer and compare the difference.

**CONNECTICUT**  
Yale Bowl  
New Haven

**ILLINOIS**  
University of Illinois  
Urbana  
Cubs Baseball Park  
Chicago

**INDIANA**  
Purdue University  
Lafayette  
Notre Dame Stadium  
South Bend

**MASSACHUSETTS**  
Fenway Park Stadium  
Boston

**MICHIGAN**  
Briggs Stadium  
Michigan & Trumbull Sts.  
Detroit  
Michigan State University  
East Lansing

**NEW YORK**  
Michie Stadium  
West Point Military Academy  
West Point  
Yankee Stadium  
Bronx  
Cornell University  
Ithaca

**OHIO**  
Agricultural Exp. Sta.  
Wooster

**OREGON**  
Parker Stadium  
Oregon State College  
Corvallis  
Multnomah Stadium  
Portland

**PENNSYLVANIA**  
Independence Mall  
Philadelphia  
Penn State Stadium  
University Park

**WASHINGTON, D.C.**  
Lincoln Memorial  
Washington, D.C.

**WISCONSIN**  
Whitnall Park  
Milwaukee

**WYOMING**  
Union Pacific  
Green River

(Advertisement)

MERION BLUEGRASS ASSOCIATION • 101 Park Avenue, New York 17, N. Y.

this year at the Blackham Coliseum, on the campus of the Southern Louisiana Institute, Lafayette, La. Dates for the meeting are September 15 to 17.

## CALIFORNIA CONVENTION

Yosemite, Calif., has been chosen the site for the annual convention of the California Association of Nurserymen. Convention dates as announced in the bulletin of the California Association of Nurserymen are September 20 to 22.

## NEW YORK GROUP TO MEET

The spring meeting of the Northeastern New York Nurserymen's Association is set for April 21, according to William Francis, Ken-Fran Farm, Hudson Falls, N. Y., secretary-treasurer of the organization. The meeting will be held at the Crossroads, Latham, N. Y.

## OREGON DESIGN COURSES

The first of a series of four landscape design study courses will be offered May 5 to 7 at Withycombe Hall, Oregon State College, Corvallis. Sponsored jointly by the college and Oregon State Federation of Garden Clubs, Inc., the series is primarily intended to educate garden club members and the general public in good landscape practices, although landscape architects, nurserymen and other professional workers are invited to attend.

## NEMATODE CONFERENCE

A special conference was held under the auspices of the American Association of Nurserymen, through its research and quarantine committee, on the national nematode problem, March 14 and 15, at Washington, D. C.

Representatives of the United States Department of Agriculture and key regulatory officials and leading nematologists of the country were invited to participate. The purpose of the conference was to present technical papers and open up for discussion the national nematode problem as it relates to research, regulation and control of these pests.

RECENTLY opened under new management was The Garden Center, Joplin, Mo., now operated by A. L. Fanning. Evergreens were given visitors attending the grand opening.

*Feature*

# SALES WINNERS from ARMSTRONG

ARMSTRONG HALL OF FAME



*Garden Party* Never before have you had such a first-year selling story on any rose. Here is the *only* Hybrid Tea to win an All-America Award for 1960. And it is a superbly successful cross of the two greatest roses of the century, Charlotte Armstrong and Peace. Beautiful buds, shapely as Charlotte Armstrong's. Huge, Peace-like, pastel-tinted blooms. A vigorous, easy-to-grow plant. If ever a rose was sure to sell, this is it. Be sure you have plenty!

Plant Pat. No. 1814.

Carefully grown  
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We are having a wonderful growing season, and we have available for the 1960 season the largest stock of top-quality evergreens that we have ever offered. We would be very happy to have you visit us at the nursery and see our stock in the fields. We are, at this time, using 2000 acres of good west Tennessee land to produce for you the very best in greens, and we think it would be worth your time to visit us if you are interested in the best stock available at reasonable prices.

## JUNIPERS, UPRIGHT VARIETIES

All many times sheared,  
specimen-quality evergreens.

|   | Each   | Each<br>Per 100 |
|---|--------|-----------------|
| <b>Juniper, virginiana glauca</b>   |        |                 |
| 3 to 4 ft. ....   | \$3.75 | \$3.50          |
| <b>Juniper, virginiana burki</b>  |        |                 |
| 2 to 3 ft. ....   | 2.75   | 2.50            |
| <b>Dundee Juniper</b>   |        |                 |
| 2 to 3 ft. ....   | 2.75   | 2.50            |
| 4 to 5 ft. ....   | 4.75   | 4.50            |
| <b>Juniper, chinensis densa glauca</b><br>excellent, compact, upright,<br>blue-green color. |        |                 |
| 4 to 5 ft. ....   | 3.75   | 3.50            |
| <b>Fastigiata Juniper</b><br>(Improved Irish), very heavy.                                  |        |                 |
| 24 to 30 ins. ....  | 1.20   | 1.00            |
| 30 to 36 ins. ....  | 1.50   | 1.25            |
| 3 to 4 ft. ....   | 1.75   | 1.50            |
| 4 to 5 ft. ....   | 2.25   | 2.00            |
| 5 to 6 ft. ....   | 2.75   | 2.50            |
| <b>Greek Juniper</b><br>(Juniper, excelsa stricta),<br>well sheared                         |        |                 |
| 15 to 18 ins. ....  | 1.35   | 1.20            |
| 18 to 24 ins. ....  | 1.75   | 1.50            |
| 30 to 36 ins. ....  | 3.00   | 2.75            |
| <b>Hetzl glauca Juniper</b> , pyramids,<br>staked and sheared pyramids                      |        |                 |
| 24 to 30 ins. ....  | 2.50   | 2.25            |
| 30 to 36 ins. ....  | 3.00   | 2.75            |
| <b>Juniper, chinensis keteleeri</b>   |        |                 |
| 4 to 5 ft. ....   | 4.25   | 4.00            |
| <b>Juniper, chinensis mascula</b>   |        |                 |
| 3 to 4 ft. ....   | 3.25   | 3.00            |
| 4 to 5 ft. ....   | 4.25   | 4.00            |

|   | Per 100 | Per 1000 |
|---|---------|----------|
| <b>Buxus harlandi</b>   |         |          |
| T, bedded, heavy, 4 to 6 ins. ....  | \$12.50 | \$100.00 |
| T, bedded, heavy, 6 to 8 ins. ....  | 15.00   | 125.00   |
| <b>Cherry Laurel</b>  |         |          |
| 2 1/2-in. pot, 6 to 8 ins. ....   | 12.50   | 100.00   |
| <b>Elaeagnus fruticosa</b>  |         |          |
| 2 1/4-in. pot, 12 ins. ....   | 15.00   | 125.00   |
| <b>Elaeagnus pungens</b>  |         |          |
| 2 1/4-in. pot ....  | 15.00   | 125.00   |
| <b>English Laurel</b>   |         |          |
| 2 1/4-in. pot, 6 to 10 ins. ....  | 17.50   | 150.00   |
| <b>Euonymus japonicus albo-marginatus</b><br>T, bedded, 6 ins., light ....    | 15.00   | 125.00   |
| <b>Euonymus japonicus argenteo-variegatus</b><br>T, bedded, 6 ins., good .... | 15.00   | 125.00   |
| <b>Euonymus radicans</b> , upright<br>T, bedded, 6 to 10 ins., heavy ....     | 15.00   | 125.00   |
| <b>Ilex cornuta burfordi</b>  |         |          |
| 2 1/2-in. pot, 5 ins. ....  | 17.50   | 150.00   |
| <b>Ilex cornuta femina</b>  |         |          |
| 2 1/2-in. pot, 4 to 6 ins. ....   | 17.50   | 150.00   |
| <b>Ilex cornuta Hume</b>  |         |          |
| 2 1/2-in. pot, 4 to 6 ins. ....   | 17.50   | 150.00   |
| <b>Ilex cornuta rotunda</b>   |         |          |
| 2 1/2-in. pot ....  | 22.50   | 200.00   |
| <b>Ilex crenata Billoxi</b>   |         |          |
| T, bedded, 4 to 6 ins. ....   | 12.50   | 100.00   |
| <b>Ilex crenata helleri</b>   |         |          |
| 2 1/2-in. pot ....  | 17.50   | 150.00   |
| <b>Ilex crenata hetzi</b>   |         |          |
| 2 1/2-in. pot ....  | 15.00   | 125.00   |
| <b>Ilex crenata repandens</b>   |         |          |
| T, bedded, 4 to 6 ins. ....   | 15.00   | 125.00   |
| <b>Ilex crenata rotundifolia</b><br>T, bedded, 6 to 8 ins. ....               | 15.00   | 125.00   |
| <b>Ilex crenata, seedlings</b><br>T, bedded, 6 to 10 ins., br. ....           | 15.00   | 125.00   |
| <b>Ilex opaca Arden</b>   |         |          |
| 2 1/2-in. pot, 4 to 6 ins. ....   | 22.50   | 200.00   |

## JUNIPERS, SPREADING VARIETIES

All spreading Junipers many times trimmed,  
well filled and of specimen quality.

|  | Each   | Each<br>Per 100 |
|--|--------|-----------------|
| <b>Andorra Juniper</b>                 |        |                 |
| 12 to 15 ins. ....                     | \$1.25 | \$1.10          |
| 15 to 18 ins. ....                     | 1.60   | 1.40            |
| 18 to 24 ins. ....                     | 1.90   | 1.75            |
| 24 to 30 ins. ....                     | 2.50   | 2.25            |
| 30 to 36 ins. ....                     | 3.00   | 2.75            |
| <b>Chinensis procumbens Juniper</b>    |        |                 |
| 12 to 15 ins. ....                     | 1.25   | 1.10            |
| 15 to 18 ins. ....                     | 1.70   | 1.50            |
| <b>Hetzl glauca Juniper</b>            |        |                 |
| 12 to 15 ins. ....                     | 1.20   | 1.00            |
| 15 to 18 ins. ....                     | 1.45   | 1.30            |
| 18 to 24 ins. ....                     | 2.00   | 1.75            |
| 24 to 30 ins. ....                     | 2.50   | 2.25            |
| 30 to 36 ins. ....                     | 3.00   | 2.75            |
| <b>Pfitzer Juniper</b>                 |        |                 |
| 12 to 15 ins. ....                     | 1.25   | 1.10            |
| 15 to 18 ins. ....                     | 1.70   | 1.50            |
| 18 to 24 ins. ....                     | 2.25   | 2.00            |
| 24 to 30 ins. ....                     | 2.75   | 2.50            |
| <b>Pfitzer Juniper, Blue</b>           |        |                 |
| 15 to 18 ins. ....                     | 1.70   | 1.50            |
| 18 to 24 ins. ....                     | 2.25   | 2.00            |
| <b>Pfitzer Compact Juniper, Nick's</b> |        |                 |
| 12 to 15 ins. ....                     | 1.25   | 1.10            |
| 15 to 18 ins. ....                     | 1.70   | 1.50            |
| 30 to 36 ins. ....                     | 3.25   | 3.00            |

|   | Each   | Each<br>Per 100 |
|---|--------|-----------------|
| <b>Pfitzer Compact Juniper, Kallay</b>                      |        |                 |
| 12 to 15 ins. ....  | \$1.25 | \$1.10          |
| 15 to 18 ins. ....  | 1.70   | 1.50            |
| 18 to 24 ins. ....  | 2.25   | 2.00            |
| <b>Pfitzer Nana Juniper (Armstrong's)</b>                   |        |                 |
| 12 to 15 ins. ....  | 1.25   | 1.10            |
| 15 to 18 ins. ....  | 1.70   | 1.50            |
| 18 to 24 ins. ....  | 2.25   | 2.00            |
| <b>Savin Juniper (Sabina)</b>                               |        |                 |
| 12 to 15 ins. ....  | 1.20   | 1.10            |
| 15 to 18 ins. ....  | 1.50   | 1.30            |
| 18 to 24 ins. ....  | 2.00   | 1.75            |
| <b>Sabina horizontalis Juniper</b>                          |        |                 |
| 15 to 18 ins. ....  | 1.70   | 1.50            |
| 18 to 24 ins. ....  | 2.25   | 2.00            |
| <b>Sabina vonehron Juniper</b>                              |        |                 |
| 15 to 18 ins. ....  | 1.50   | 1.30            |
| 18 to 24 ins. ....  | 2.00   | 1.75            |
| 24 to 30 ins. ....  | 2.50   | 2.25            |
| <b>Repandens Juniper</b><br>(Juniper, virginiana repandens) |        |                 |
| 12 to 15 ins. ....  | 1.20   | 1.10            |
| 15 to 18 ins. ....  | 1.50   | 1.30            |
| 18 to 24 ins. ....  | 2.00   | 1.75            |
| 24 to 30 ins. ....  | 2.50   | 2.25            |
| <b>Virginalis Juniper</b>                                   |        |                 |
| 15 to 18 ins. ....  | 1.50   | 1.30            |
| 18 to 24 ins. ....  | 2.00   | 1.75            |
| 24 to 30 ins. ....  | 2.50   | 2.25            |

## FLOWERING TREES, B&B

|   | Each   | Each<br>Per 100 |
|---|--------|-----------------|
| <b>Cornus florida (White Dogwood)</b>   |        |                 |
| 2 to 3 ft. ....   | \$1.20 | \$1.00          |
| <b>Magnolia nigra</b>   |        |                 |
| 2 to 3 ft. ....   | 2.00   | 1.75            |
| <b>Magnolia soulangiana</b> , trimmed<br>plants, heavily branched<br>and budded |        |                 |
| 2 to 3 ft. ....   | 2.00   | 1.75            |
| 3 to 4 ft. ....   | 2.75   | 2.50            |

**COLD STORAGE**—We have available cold-storage facilities for taking care of Magnolia and other nursery stock. In addition to our list prices, we will make the following minimum charges for storing B&B trees. If stock is to be stored past May 1, additional charges will be made.

|                    | 20c | 30c | 40c |
|--------------------|-----|-----|-----|
| 18 to 24 ins. .... | 20c | 30c | 40c |
| 2 to 3 ft. ....    | 25c | 40c | 50c |
| 3 to 4 ft. ....    |     |     |     |
| 4 to 5 ft. ....    |     |     |     |

|   | Each   | Each<br>Per 100 |
|---|--------|-----------------|
| <b>Magnolia stellata</b><br>(Dwarf Star Magnolia) |        |                 |
| 18 to 24 ins. ....                                | \$2.00 | \$1.75          |
| 2 to 3 ft. ....                                   | 3.00   | 2.75            |
| <b>Magnolia alexandrina</b>                       |        |                 |
| 2 to 3 ft. ....                                   | 2.25   | 2.00            |

## LINERS

|   | Per 100 | Per 1000 |
|---|---------|----------|
| <b>Ilex opaca Croonenburg</b>                   |         |          |
| 2 1/2-in. pot, 6 to 8 ins. ....                 | \$22.50 | \$200.00 |
| <b>Ilex opaca East Palatka</b>                  |         |          |
| 2 1/2-in. pot, 4 to 6 ins. ....                 | 17.50   | 150.00   |
| <b>Ilex opaca howardi</b>                       |         |          |
| 2 1/2-in. pot, 4 to 6 ins. ....                 | 22.50   | 200.00   |
| <b>Ilex opaca Hume No. 2</b>                    |         |          |
| 2 1/2-in. pot, 6 to 10 ins. ....                | 17.50   | 150.00   |
| <b>Ilex opaca Reynolds</b>                      |         |          |
| 2 1/2-in. pot, 6 to 8 ins. ....                 | 20.00   | 175.00   |
| <b>Jasmine, floridum</b>                        |         |          |
| T, bedded, 8 to 12 ins., heavy ....             | 15.00   | 125.00   |
| <b>Ligustrum Suwannee River</b>                 |         |          |
| T, bedded, 8 ins., heavy ....                   | 30.00   | 300.00   |
| <b>Nandina domestica</b>                        |         |          |
| 2-in. pot, 4 to 8 ins. ....                     | 12.50   | 100.00   |
| <b>Viburnum burkwoodi</b>                       |         |          |
| 2 1/2-in. pot ....                              | 17.50   | 150.00   |
| <b>Viburnum chensaulti</b>                      |         |          |
| 2 1/2-in. pot ....                              | 17.50   | 150.00   |
| <b>Viburnum rhytidophyllum (Leather-Leafed)</b> |         |          |
| 2 1/2-in. pot ....                              | 17.50   | 150.00   |
| <b>Zabel Laurel</b>                             |         |          |
| 2 1/2-in. pot, 6 to 8 ins., br. ....            | 17.50   | 150.00   |
| <b>Thuja occidentalis compacta erecta</b>       |         |          |
| 2 1/2-in. pot ....                              | 17.50   | 150.00   |
| <b>Thuja occidentalis globosa</b>               |         |          |
| 2 1/2-in. pot ....                              | 17.50   | 150.00   |
| <b>Thuja occidentalis pyramidalis</b>           |         |          |
| 2 1/2-in. pot ....                              | 17.50   | 150.00   |
| <b>Thuja occidentalis warsana (Siberian)</b>    |         |          |
| 2 1/2-in. pot ....                              | 17.50   | 150.00   |
| <b>Chamaecyparis Cyano Viridis</b>              |         |          |
| 3-in. pot ....                                  | 17.50   | 150.00   |
| <b>Juniper, chinensis procumbens</b>            |         |          |
| 3-in. pot ....                                  | 22.50   | 200.00   |
| <b>Juniper, hetzi glauca</b>                    |         |          |
| Beer cans, 6 to 8 ins. ....                     | 17.50   | 150.00   |

## ONE-YEAR, FIELD-GROWN LINERS

well-rooted, heavy

|   | Per 100 | Per 1000 |
|---|---------|----------|
| <b>Juniper, Andorra</b>                                     |         |          |
| 6 to 8 ins., good ....                                      | \$15.00 | \$150.00 |
| <b>Juniper, excelsa stricta</b>                             |         |          |
| 8 to 10 ins., heavy, trimmed ....                           | 15.00   | 150.00   |
| <b>Juniper, hetzi glauca</b>                                |         |          |
| 8 to 12 ins. ....   | 15.00   | 150.00   |
| <b>Juniper, Pfitzer, compacta (Kallay)</b>                  |         |          |
| 8 to 10 ins. ....   | 17.50   | 150.00   |
| <b>Juniper, Pfitzer, compacta (Nick's)</b>                  |         |          |
| 8 to 10 ins., good ....                                     | 17.50   | 150.00   |
| <b>Juniper, Pfitzer Blue</b>                                |         |          |
| 8 to 12 ins. ....   | 17.50   | 150.00   |
| <b>Juniper, repandens</b><br>cutback from 8 to 10 ins. .... | 17.50   | 150.00   |
| <b>Juniper, sabina</b>                                      |         |          |
| 10 to 12 ins., heavy ....                                   | 15.00   | 150.00   |
| <b>Juniper, sabina horizontalis</b>                         |         |          |
| 10 to 12 ins. ....  | 15.00   | 150.00   |
| <b>Juniper, chinensis albo-variegata</b>                    |         |          |
| 8 to 10 ins. ....   | 17.50   | 150.00   |
| <b>Juniper, virginalis</b>                                  |         |          |
| 8 to 12 ins. ....   | 12.50   | 125.00   |
| <b>Juniper, sabina vonehron</b>                             |         |          |
| 8 to 12 ins. ....   | 15.00   | 150.00   |
| <b>Juniper, fastigiata</b>                                  |         |          |
| 8 to 12 ins. ....   | 15.00   | 150.00   |
| <b>Juniper, Golden Canadian</b>                             |         |          |
| 8 to 12 ins. ....   | 15.00   | 150.00   |



## BROAD-LEAVED EVERGREENS

|                                     | Each   | Each    |   | Each   | Each    |   | Each   | Each    |
|-------------------------------------|--------|---------|---|--------|---------|---|--------|---------|
|                                     | Per 10 | Per 100 |   | Per 10 | Per 100 |   | Per 10 | Per 100 |
| <i>grandiflora</i>                  |        |         | <i>Ilex crenata rotundifolia</i> , heavy, |        |         | <i>Ligustrum lucidum</i> (Black Wax)        |        |         |
| to 4 ft. ....                       | \$1.75 | \$1.50  | many times sheared                        |        |         | 24 to 30 ins. ....                          | \$1.50 | \$1.25  |
| <i>laevis decora lactea</i>         |        |         | 12 to 15 ins. ....                        | \$1.00 | \$0.80  | 30 to 36 ins. ....                          | 1.75   | 1.50    |
| to 24 ins. ....                     | 1.25   | 1.00    | 15 to 18 ins. ....                        | 1.20   | 1.00    | <i>Ligustrum Suwannee River</i>             |        |         |
| <i>opacus fruitlandi</i>            |        |         | 18 to 24 ins. ....                        | 1.75   | 1.50    | 15 to 18 ins. ....                          | 1.50   | 1.25    |
| to 3 ft. ....                       | 1.25   | 1.00    | 24 to 30 ins. ....                        | 2.25   | 2.00    | 18 to 24 ins. ....                          | 2.25   | 2.00    |
| to 4 ft. ....                       | 1.75   | 1.50    | 30 to 36 ins. ....                        | 2.75   | 2.50    | 24 to 30 ins. ....                          | 2.75   | 2.50    |
| <i>opacus simoni</i>                |        |         | 3 to 4 ft. ....                           | 3.75   | 3.25    | 30 to 36 ins. ....                          | 3.25   | 3.00    |
| to 3 ft. ....                       | 1.25   | 1.00    | Sheared pyramids                          |        |         | <i>Laurel, Carolina</i> (Cherry Laurel)     |        |         |
| to 4 ft. ....                       | 1.75   | 1.50    | 30 to 36 ins. ....                        | 3.00   | 2.50    | 2 to 3 ft. ....                             | 1.50   | 1.25    |
| <i>opacus coloratus</i>             |        |         | 24 to 30 ins. ....                        | 2.50   | 2.00    | 3 to 4 ft. ....                             | 1.75   | 1.50    |
| to 24 ins. ....                     | 1.25   | 1.00    | <i>Ilex glabra</i>                        |        |         | 4 to 5 ft. ....                             | 2.25   | 2.00    |
| to 30 ins. ....                     | 1.50   | 1.25    | 15 to 18 ins. ....                        | 1.20   | 1.00    | 5 to 6 ft. ....                             | 2.75   | 2.50    |
| <i>opacus fortunei erectus</i>      |        |         | 18 to 24 ins. ....                        | 1.75   | 1.50    | <i>Laurel, zabeli</i> (Strap-leaved Laurel) |        |         |
| to 18 ins. ....                     | 1.25   | 1.00    | 24 to 30 ins. ....                        | 2.25   | 2.00    | 15 to 18 ins. ....                          | 1.20   | 1.00    |
| to 24 ins. ....                     | 1.50   | 1.25    | 30 to 36 ins. ....                        | 2.75   | 2.50    | 18 to 24 ins. ....                          | 1.75   | 1.50    |
| <i>opacus patens</i>                |        |         | <i>Ilex opaca</i> , seedlings             |        |         | 24 to 30 ins. ....                          | 2.25   | 2.00    |
| to 3 ft. ....                       | 1.20   | 1.00    | 2 to 3 ft. ....                           | 1.75   | 1.50    | 30 to 36 ins. ....                          | 2.75   | 2.50    |
| to 4 ft. ....                       | 1.75   | 1.50    | 3 to 4 ft. ....                           | 2.75   | 2.50    | <i>Laurel, English</i>                      |        |         |
| to 5 ft. ....                       | 2.25   | 2.00    | 4 to 5 ft. ....                           | 3.75   | 3.50    | 2 to 3 ft. ....                             | 1.75   | 1.50    |
| <i>opacus radicans</i>              |        |         | 5 to 6 ft. ....                           | 5.50   | 5.00    | <i>Lonicera yunnanensis</i> (Chinese        |        |         |
| several selected types              |        |         | 6 to 8 ft. ....                           | 7.50   | 7.00    | Evergreen Honeysuckle)                      |        |         |
| to 18 ins. ....                     | 1.20   | 1.00    | <i>Ilex opaca East Palatka</i>            |        |         | 15 to 18 ins. ....                          | 1.20   | 1.00    |
| to 24 ins. ....                     | 1.50   | 1.25    | 2 to 3 ft. ....                           | 1.75   | 1.50    | 18 to 24 ins. ....                          | 1.50   | 1.25    |
| <i>opacus angustifolia</i>          |        |         | 3 to 4 ft. ....                           | 2.75   | 2.50    | <i>Loropetalum chinensis</i>                |        |         |
| to 4 ft. ....                       | 3.50   | 3.00    | 4 to 5 ft. ....                           | 3.75   | 3.50    | (Texas Fringe)                              |        |         |
| <i>opacus burfordi</i>              |        |         | 5 to 6 ft. ....                           | 5.50   | 5.00    | 18 to 24 ins. ....                          | 1.20   | 1.00    |
| to 18 ins. ....                     | 1.20   | 1.00    | 6 to 8 ft. ....                           | 7.50   | 7.00    | 24 to 30 ins. ....                          | 1.75   | 1.50    |
| to 24 ins. ....                     | 1.50   | 1.25    | <i>Ilex opaca fosteri</i>                 |        |         | 30 to 36 ins. ....                          | 2.25   | 2.00    |
| to 30 ins. ....                     | 1.75   | 1.50    | 2 to 3 ft. ....                           | 2.25   | 2.00    | <i>Magnolia glauca</i>                      |        |         |
| to 36 ins. ....                     | 2.50   | 2.25    | 3 to 4 ft. ....                           | 3.25   | 3.00    | 2 to 3 ft. ....                             | 1.75   | 1.50    |
| <i>opacus femina</i>                |        |         | <i>Ilex opaca howardi</i>                 |        |         | 3 to 4 ft. ....                             | 2.25   | 2.00    |
| to 18 ins. ....                     | 1.20   | 1.00    | 2 to 3 ft. ....                           | 2.25   | 2.00    | 4 to 5 ft. ....                             | 2.75   | 2.50    |
| to 24 ins. ....                     | 1.50   | 1.25    | 3 to 4 ft. ....                           | 3.25   | 3.00    | 5 to 6 ft. ....                             | 3.50   | 3.25    |
| to 30 ins. ....                     | 1.75   | 1.50    | 4 to 5 ft. ....                           | 4.25   | 4.00    | 6 to 8 ft. ....                             | 5.50   | 5.00    |
| to 36 ins. ....                     | 2.50   | 2.25    | 5 to 6 ft. ....                           | 5.50   | 5.00    | <i>Magnolia grandiflora</i>                 |        |         |
| <i>opacus Hume, semidwarf,</i>      |        |         | 6 to 7 ft. ....                           | 7.50   | 7.00    | 2 to 3 ft. ....                             | 1.75   | 1.50    |
| dark green, rectangular leaf        |        |         | <i>Ilex opaca Reynolds</i>                |        |         | 3 to 4 ft. ....                             | 2.75   | 2.50    |
| to 18 ins. ....                     | 1.50   | 1.25    | 2 to 3 ft. ....                           | 2.25   | 2.00    | 5 to 6 ft. ....                             | 5.50   | 5.00    |
| to 24 ins. ....                     | 1.75   | 1.50    | 3 to 4 ft. ....                           | 3.25   | 3.00    | 6 to 8 ft. ....                             | 8.25   | 7.50    |
| to 30 ins. ....                     | 2.25   | 2.00    | <i>Ilex opaca Taber No. 3</i>             |        |         | <i>Nandina domestica</i>                    |        |         |
| to 36 ins. ....                     | 2.75   | 2.50    | 2 to 3 ft. ....                           | 2.25   | 2.00    | 15 to 18 ins. ....                          | .90    | .75     |
| <i>opacus Biloxi,</i>               |        |         | 3 to 4 ft. ....                           | 3.25   | 3.00    | 18 to 24 ins. ....                          | 1.20   | 1.00    |
| very hardy, transplants easily,     |        |         | <i>Ilex vomitoria</i>                     |        |         | 24 to 30 ins. ....                          | 1.50   | 1.25    |
| excellent for low hedges            |        |         | 18 to 24 ins. ....                        | 1.20   | 1.00    | 30 to 36 ins. ....                          | 1.75   | 1.50    |
| to 18 ins. ....                     | 1.20   | 1.00    | 24 to 30 ins. ....                        | 1.75   | 1.50    | 3 to 4 ft. ....                             | 2.25   | 2.00    |
| to 24 ins. ....                     | 1.75   | 1.50    | 30 to 36 ins. ....                        | 2.25   | 2.00    | <i>Viburnum burkwoodi</i>                   |        |         |
| to 30 ins. ....                     | 2.25   | 2.00    | 3 to 4 ft. ....                           | 2.75   | 2.50    | 18 to 24 ins. ....                          | 1.50   | 1.25    |
| <i>opacus convexa</i>               |        |         | 4 to 5 ft. ....                           | 3.75   | 3.50    | 24 to 30 ins. ....                          | 1.75   | 1.50    |
| to 15 ins. ....                     | 1.00   | .80     | 5 to 6 ft. ....                           | 5.50   | 5.00    | 30 to 36 ins. ....                          | 2.25   | 2.00    |
| to 18 ins. ....                     | 1.25   | 1.00    | <i>Ilex vomitoria Pride of Houston</i>    |        |         | 3 to 4 ft. ....                             | 2.75   | 2.50    |
| to 24 ins. ....                     | 1.75   | 1.50    | 18 to 24 ins. ....                        | 1.20   | 1.00    | <i>Viburnum juddi</i>                       |        |         |
| to 30 ins. ....                     | 2.25   | 2.00    | 24 to 30 ins. ....                        | 1.75   | 1.50    | 30 to 36 ins. ....                          | 2.25   | 2.00    |
| <i>opacus repandens</i> , excellent |        |         | 30 to 36 ins. ....                        | 2.25   | 2.00    | <i>Viburnum rhytidophyllum</i>              |        |         |
| low-spreading variety               |        |         | <i>Jasmine, floridum</i>                  |        |         | 18 to 24 ins. ....                          | 1.75   | 1.50    |
| to 18 ins. ....                     | 1.50   | 1.25    | 15 to 18 ins. ....                        | 1.20   | 1.00    | 24 to 30 ins. ....                          | 2.00   | 1.75    |
| to 24 ins. ....                     | 2.00   | 1.75    | 18 to 24 ins. ....                        | 1.50   | 1.25    | 30 to 36 ins. ....                          | 2.50   | 2.25    |
|                                     |        |         | 2 to 3 ft. ....                           | 1.75   | 1.50    | 3 to 4 ft. ....                             | 3.25   | 3.00    |

ORIENTAL ARBORVITAE  
VARIETIES

(Thuja orientalis)

|                                | Each   | Each    |
|--------------------------------|--------|---------|
|                                | Per 10 | Per 100 |
| <i>Amans Golden Arborvitae</i> |        |         |
| to 18 ins. ....                | \$1.40 | \$1.20  |
| to 24 ins. ....                | 1.70   | 1.50    |
| <i>Cone Arborvitae,</i>        |        |         |
| compact pyramid                |        |         |
| to 36 ins. ....                | 1.70   | 1.50    |
| <i>Star Arborvitae,</i>        |        |         |
| dwarf, full, green             |        |         |
| to 18 ins. ....                | 1.35   | 1.20    |
| to 30 ins. ....                | 2.25   | 2.00    |
| <i>Star Arborvitae</i>         |        |         |
| to 36 ins. ....                | 1.70   | 1.50    |
| to 5 ft. ....                  | 3.00   | 2.50    |
| <i>Star Arborvitae</i>         |        |         |
| to 36 ins. ....                | 1.70   | 1.50    |

AMERICAN ARBORVITAE  
VARIETIES

(Thuja occidentalis)

|   | Each   | Each    |
|---|--------|---------|
|   | Per 10 | Per 100 |
| <i>Dark Green American Arborvitae</i>   |        |         |
| 24 to 30 ins. ....                      | \$1.75 | \$1.50  |
| 30 to 36 ins. ....                      | 2.25   | 2.00    |
| <i>Compacta erecta Globe Arborvitae</i> |        |         |
| 18 to 24 ins. ....                      | 2.00   | 1.75    |
| 24 to 30 ins. ....                      | 2.50   | 2.25    |
| <i>Globe American Arborvitae</i>        |        |         |
| 18 to 24 ins. ....                      | 2.25   | 2.00    |
| 24 to 30 ins. ....                      | 2.75   | 2.50    |
| <i>Pyramidal American Arborvitae</i>    |        |         |
| 18 to 24 ins. ....                      | 1.60   | 1.35    |
| 24 to 30 ins. ....                      | 1.80   | 1.65    |
| 30 to 36 ins. ....                      | 2.50   | 2.25    |
| 3 to 4 ft. ....                         | 3.00   | 2.75    |
| 4 to 5 ft. ....                         | 4.00   | 3.50    |

MISCELLANEOUS  
CONIFERS

|  | Each   | Each    |
|--|--------|---------|
|  | Per 10 | Per 100 |
| <i>Cedrus atlantica</i>                |        |         |
| 2 to 3 ft. ....                        | \$1.75 | \$1.50  |
| 3 to 4 ft. ....                        | 2.75   | 2.50    |
| <i>Cedrus deodara</i>                  |        |         |
| 2 to 3 ft. ....                        | 1.75   | 1.50    |
| <i>Cedrus libani</i>                   |        |         |
| 2 to 3 ft. ....                        | 1.75   | 1.50    |
| 3 to 4 ft. ....                        | 2.75   | 2.50    |
| <i>Plume Cypress</i> (Retinospora      |        |         |
| plumosa), sheared                      |        |         |
| 24 to 30 ins. ....                     | 1.70   | 1.50    |
| 30 to 36 ins. ....                     | 2.25   | 2.00    |
| <i>Plume Cypress, Golden</i> , sheared |        |         |
| (Retinospora plumosa aurea)            |        |         |
| 24 to 30 ins. ....                     | 1.75   | 1.50    |
| 30 to 36 ins. ....                     | 2.25   | 2.00    |

**ARTWRIGHT NURSERY CO.** Collierville, Tenn. Phone: UL 3-2352  
Highway 72-57, 10 miles east of Memphis

# CHOICE NORTHERN-GROWN NURSERY STOCK

## SPRING, 1960—PICKUP OR DELIVERY

|  | Each<br>Per 10 | Each<br>Per 100 |  | Each<br>Per 10 | Each<br>Per 100 |
|--|----------------|-----------------|--|----------------|-----------------|
| <b>Acer palmatum atropurpureum</b><br>(Dwarf Red Maple)                                    |                |                 | <b>Forsythia intermedia spectabilis</b>  |                |                 |
| From cuttings, B&B   |                |                 | B.R., 2 to 3 ft. ....  | \$0.55         | \$0.50          |
| 12 to 15 ins. ....   | \$3.25         | ...             | B.R., 3 to 4 ft. ....  | .70            | .60             |
| 15 to 18 ins. ....   | 4.25           | ...             | <b>Forsythia Lynwood Gold</b>  |                |                 |
| 18 to 24 ins. ....   | 6.00           | ...             | B.R., 2 to 3 ft. ....  | .65            | .60             |
| <b>AZALEAS, hardy evergreen, B&amp;B,</b>  |                |                 | B.R., 3 to 4 ft. ....  | .80            | .70             |
| <b>ALADDIN, BLAAUW'S PINK,</b>   |                |                 | <b>Ilex crenata convexa</b>  |                |                 |
| <b>FEDORA, HINO-CRIMSON, HER-</b>  |                |                 | (Small-Leaved Japanese Holly)  |                |                 |
| <b>BERT, KATHLEEN, MARY ANN,</b>   |                |                 | B&B, 12 to 15 ins. ....  | 2.00           | 1.75            |
| <b>OTHELLO, PALESTRINA, ZAMPA</b>  |                |                 | B&B, 15 to 18 ins. ....  | 2.75           | 2.50            |
| 12 to 15 ins. ....   | 2.50           | \$2.25          | B&B, 18 to 24 ins. ....  | 3.50           | 3.25            |
| 15 to 18 ins. ....   | 3.50           | 3.25            | <b>Ilex crenata microphylla</b>  |                |                 |
| Total 250 or more, 12 to 15 ins.,<br>\$1.75. Assorted varieties, 15 to 18<br>ins., \$2.25. |                |                 | B&B, 12 to 15 ins. ....  | 1.80           | 1.70            |
|  |                |                 | B&B, 15 to 18 ins. ....  | 2.50           | 2.25            |
|  |                |                 | <b>Ilex crenata rotundifolia, B&amp;B</b>  |                |                 |
|  |                |                 | 10 to 12 ins. ....   | 1.40           | 1.25            |
|  |                |                 | 12 to 15 ins. ....   | 1.80           | 1.60            |
|  |                |                 | 15 to 18 ins. ....   | 2.25           | 2.15            |
|  |                |                 | 18 to 24 ins. ....   | 2.75           | 2.50            |
|  |                |                 | 24 to 30 ins. ....   | 3.50           | 3.25            |
|  |                |                 | Select Plants, Heavily Sheared,<br>Generously Sized. Write for Spe-<br>cial Volume Prices. |                |                 |
| <b>AZALEAS, KNAPP HILL,</b>  |                |                 | <b>Juniper, chinensis hetzi</b>  |                |                 |
| Improved Mollis, B&B   |                |                 | B&B, 12 to 15 ins. ....  | 1.75           | 1.50            |
| 12 to 15 ins. ....   | 2.00           | 1.75            | <b>Juniper, San Jose, California,</b>  |                |                 |
| 15 to 18 ins. ....   | 2.50           | 2.25            | low-spreading, B&B   |                |                 |
| 18 to 24 ins. ....   | 3.25           | 3.00            | 15 to 18 ins. ....   | 3.00           | ...             |
| <b>Berberis thunbergi atropurpurea</b>   |                |                 | 18 to 24 ins. ....   | 3.75           | ...             |
| (Red Barberry), B.R., heavy  |                |                 | <b>Magnolia soulangiana, B&amp;B</b>   |                |                 |
| 18 to 24 ins. ....   | .35            | .25             | 3 to 4 ft. ....  | 3.25           | 3.00            |
| 24 to 30 ins. ....   | .40            | .30             | 4 to 5 ft. ....  | 4.25           | 4.00            |
| <b>Buxus koreana</b> (Korean Boxwood)  |                |                 | 5 to 6 ft. ....  | 5.50           | ...             |
| B.R., 8 to 10 ins. ....  | .70            | .60             | 6 to 8 ft. ....  | 6.50           | ...             |
| <b>Buxus sempervirens</b> (English Boxwood)  |                |                 | <b>Malus Almey, 4-yr.-old,</b>   |                |                 |
| B.R., 6 to 9 ins. ....   | .60            | .50             | heavy-br., 1 to 1 1/4-in.  |                |                 |
| <b>Cornus florida</b> (White Dogwood)  |                |                 | cal., B.R., 4 to 5 ft. ...   | 2.00           | ...             |
| B.R., 2 to 3 ft. ....  | 1.25           | 1.00            | <b>Malus Hopa, 4-yr.-old,</b>  |                |                 |
| B.R., 3 to 4 ft. ....  | 1.75           | 1.50            | heavy-br., 1 to 1 1/4-in.  |                |                 |
| B&B, 4 to 5 ft. ....   | 3.25           | 3.00            | cal., B.R., 4 to 5 ft. ...   | 1.50           | ...             |
| B&B, 5 to 6 ft. ....   | 4.25           | 4.00            | <b>Pachistima canbyi</b>   |                |                 |
| <b>Cornus florida rubra</b> (Red Dogwood)  |                |                 | B.R., 6 to 10 ins. ....  | .60            | .50             |
| B&B, 2 to 3 ft. ....   | 2.75           | ...             | <b>Rhododendron Cunningham's</b>   |                |                 |
| <b>Cornus florida rubra Prosser,</b>   |                |                 | White, B&B   |                |                 |
| Improved Red, B&B  |                |                 | 12 to 15 ins. ....   | 4.00           | 3.75            |
| 2 to 3 ft. ....  | 4.00           | ...             | 15 to 18 ins. ....   | 5.25           | 4.75            |
| 3 to 4 ft. ....  | 5.00           | ...             | <b>Rhododendron, rose-lilac varieties, B&amp;B</b>   |                |                 |
| <b>Euonymus alatus</b> (Winged Euonymus)   |                |                 | English Roseum, Catawbiense  |                |                 |
| B.R., 18 to 24 ins. ....   | 1.00           | .75             | <b>Grandiflorum, Roseum Superbum</b>   |                |                 |
| B.R., 2 to 3 ft. ....  | 1.50           | 1.25            | 12 to 15 ins. ....   | 3.75           | 3.50            |
| <b>Euonymus fortunei coloratus,</b>  |                |                 | 15 to 18 ins. ....   | 5.00           | 4.50            |
| Creeping cover, bushy  |                |                 | 18 to 24 ins. ....   | 6.50           | 6.00            |
| B.R., 10 to 12 ins. ....   | .35            | .25             |  |                |                 |
| <b>Euonymus vegetus</b> (Winter Creeper)   |                |                 |  |                |                 |
| B.R., 10 to 12 ins. ....   | .65            | .60             |  |                |                 |
| B&B, 12 to 15 ins. ....  | .80            | .75             |  |                |                 |

L.T.L. B&B or canned material must be picked up at nursery or we can make arrangements for combination shipments to many areas.  
Terms: All stock offered subject to prior sale. Usual terms apply. New customers furnish credit reference or C.O.D.

### ROSES

### ROSES

### ROSES

are selling fast. While we are sold out of some varieties, we still have many good varieties left in No. 1 grade. Ask for our surplus list or call for immediate booking.

## GERARD K. KLYN, INC.

Mentor, Ohio

## OBITUARY

### Harry W. Hobbs

Harry W. Hobbs, 77-year-old nurseryman and member of a pioneer Indiana family, died February 19. Mr. Hobbs was president of C. M. Hobbs & Sons, Inc., Bridgeport, a family business started there in 1875.

His ancestors included original settlers of a Quaker community called Blue River Friends, in Washington county, founded in 1812. His grandfather, Oliver Albertson, founded a nursery there and in 1875 moved to the Bridgeport community.

His father, C. M. Hobbs, later took over the business, and in 1932 it was incorporated. Harry W. Hobbs had been president since that time.

Harry Hobbs was graduated from the old Friends' Central academy at Plainfield and Earlham College. A birthright Quaker, Mr. Hobbs was an active member of First Friends' church and of the Masonic lodge at Bridgeport, the Sons of the American Revolution, Scottish Rite, Shrine, Rotary Club, Alpha Tau Omega fraternity, Indianapolis Athletic Club, Columbia Club, Highland Golf and Country Club and the Woodstock Club.

Survivors include the widow, Mrs. Helen L. Hobbs; two daughters, Miss Barbara A. Hobbs and Mrs. Mary L. Nixon, both of Indianapolis; a sister, Miss Carrie Hobbs, and a brother, Fred R. Hobbs, both of Plainfield, and two grandchildren.

Robert M. Hobbs, a nephew of the deceased, is present secretary of the nursery firm and immediate past president of the American Association of Nurserymen. He is associated in the business with his uncle, Fred R. Hobbs, and the latter's two sons, Thomas P., secretary, and Gordon A.

### Robert J. Imlay, Jr.

Robert J. Imlay, Jr., manager of the garden store of the Imlay Co., Zanesville, O., died February 21 at the age of 29. Mr. Imlay, whose death was caused by an intestinal ailment, was a fourth-generation member of the Imlay family that has operated the horticultural firm for the past 110 years.

Mr. Imlay was a graduate of Michigan State University and he participated in the Korean war during his two enlistments in the Marines. He had great interest in wildlife and fine antiques and he

# Healthy, well-rooted Liners...

Yours  
with **Jiffy-Pots®**  
MADE OF PEAT

## Nursery stock reaches salable size faster.

Propagators report that 3-year-old stock which was started in Jiffy-Pots is fully equal to 4-year-old stock started in clay pots. A big part of this saving comes at field-planting time since liners need not be root-bound to transplant successfully, but can be set out after only a few weeks in Jiffy-Pots.

## Growing area will handle more pots per sq. ft.

Your growing area will handle 15 per cent more Jiffy-Potted liners than clay-potted liners. Also, pot-handling chores are all but eliminated, which leads to greatly increased efficiency.

## Field planting can be continued over longer periods.

You can field plant when weather conditions are most ideal. Whether it's too wet or too dry, Jiffy-Potted liners keep right on growing—never become pot-bound.

## Shock-free transplanting allows continuous growth.

Since the root system is completely enclosed in peat, it takes its entire greenhouse environment right with it to the field. Therefore, no shock from root disturbance.



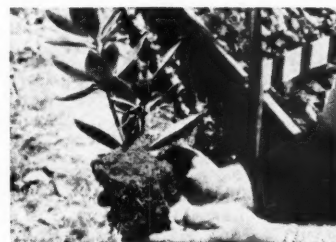
TAXUS



**EUONYMUS**—*Euonymus coloratus*, potted July, 1957, photo taken November 13, 1958. These were carried in cold-frames pot-tight, with sand covering on top of the pots.



**OLEANDER**—Note the excellent root development of these young plants after six months in 2 1/4-in. Jiffy-Pots. They will develop into nice salable plants much sooner than the clay-potted liners.



**RHODODENDRON**—Richard Schwobel Nursery, Ardmore, Pa., states, "We can make a salable Rhododendron from a cutting one year faster by using Jiffy-Pots as compared to conventional methods."

## YOU CAN COUNT ON JIFFY-POTS FOR TOTAL ROOT PENETRATION

|   |  |  |
|---|--|--|
| <b>No. 115. 1 1/2-in. Round. 1 3/4 ins. deep.</b> Per 1000<br>3000 to 18,000 (3000, \$17.70) ..... \$5.90<br>21,000 to 72,000 ..... 5.40<br>75,000 up ..... 4.90<br>Sold in cases of 3000, 18 lbs. per case. Minimum order 3000.  | <b>No. 130. 3-in. Round. 3 ins. deep.</b> Per 1000<br>1500 to 9000 (1500, \$19.88) ..... \$13.25<br>10,500 to 49,500 ..... 12.25<br>51,000 up ..... 11.00<br>Sold in cases of 1500, 35 lbs. per case. Minimum order 1500.      | <b>No. 335. 3 1/2-in. Shorty. 3 ins. deep.</b> Per 1000<br>1000 to 6000 ..... \$18.25<br>7000 to 29,000 ..... 17.00<br>30,000 and up ..... 15.25<br>Sold in cases of 1000, 35 lbs. per case. Minimum order 1000.         |
| <b>No. 122. 2 1/4-in. Round. 2 1/4 ins. deep.</b> Per 1000<br>3000 to 18,000 (3000, \$21.75) ..... \$7.25<br>21,000 to 72,000 ..... 6.75<br>75,000 up ..... 6.25<br>Sold in cases of 3000, 35 lbs. per case. Minimum order 3000.  | <b>No. 230. 3-in. Square. 3 ins. deep.</b> Per 1000<br>1000 to 9000 ..... \$14.50<br>10,000 to 49,000 ..... 13.25<br>50,000 up ..... 12.00<br>Sold in cases of 1000, 40 lbs. per case. Minimum order 1000.                     | <b>No. 140. 4-in. Round. 4 ins. deep.</b> Per 1000<br>500 to 4500 (500, \$13.75) ..... \$27.50<br>5000 to 19,500 ..... 25.50<br>20,000 up ..... 23.50<br>Sold in cases of 500, 35 lbs. per case. Minimum order 500.      |
| <b>No. 222. 2 1/4-in. Square. 2 1/4 ins. deep.</b> Per 1000<br>2500 to 17,500 (2500, \$20.00) ..... \$8.00<br>20,000 to 72,500 ..... 7.35<br>75,000 up ..... 6.70<br>Sold in cases of 2500, 40 lbs. per case. Minimum order 2500. | <b>No. 330. 3-in. Shorty. 2 1/2 ins. deep.</b> Per 1000<br>1500 to 9000 (1500, \$19.50) ..... \$13.00<br>10,500 to 49,500 ..... 12.00<br>51,000 up ..... 10.75<br>Sold in cases of 1500, 33 lbs. per case. Minimum order 1500. | <b>No. 240. 4-in. Square. 4 1/2 ins. deep.</b> Per 1000<br>500 to 4500 (500, \$14.50) ..... \$27.00<br>5000 to 19,500 ..... 26.75<br>20,000 up ..... 24.50<br>Sold in cases of 500, 35 lbs. per case. Minimum order 500. |

Prices PREPAID in lots of 150 lbs. or more anywhere in the continental United States excluding Alaska. Otherwise F.O.B. West Chicago; Bayonne, N. J.; Allentown, Pa.; Toledo, Ohio; Houston, Tex.; Los Angeles, Calif.; San Francisco, Calif.; Portland, Ore.; Mobile, Ala.

WEST CHICAGO, ILL.  
TELEPHONE 299

*G. J. Ball*

**GEO. J. BALL, INC.**



For the Legitimate Nurseryman  
Here's the best practical answer  
To cut-rate chain-merchandising

A HEALTHY, THRIVING PLANT  
GROWING IN A STURDY

## Cloverset Pot

**DEVELOPED** 30 years ago to combat cut-rate competition during depression days, the CLOVERSET POT is still the nurseryman's best answer to chain store merchandising. Why worry about meeting price competition? You can make more money selling the quality-conscious market we can assure you still exists.

**MAKE MORE MONEY—SELL QUALITY.** A thriving plant, growing in its own Cloverset Pot, makes an attractive display, is convenient to handle and easy to sell because you can safely stake your own reputation on its satisfaction to the customer . . . something your price-cutting chain store competitors find it difficult to do. CLOVERSET pots make your quality story believable, your customers easy to convince they're getting the finest.

**INCREASE CASH-AND-CARRY BUSINESS.** Your customers will find mass displays of CLOVERSET potted plants so beautiful, so convenient to select from, the plants so easy to handle, they'll simply be unable to resist those extra purchases. Profitable cash-and-carry business should increase from the day you start using CLOVERSET pots.

### PLAN NOW for Extra Profits This Spring!

Don't put it off! Decide to make more money this year. Just any old disposable pot won't do this merchandising job . . . there's more to it than that! **FOR COMPLETE INFORMATION FREE, send the coupon.**

**SIZES FOR EVERY NEED:** Roses, Perennials, Shrubs and Young Trees.

| Size  | Height     | Top Diam. | Nearest Clay Pot | No. in Carton | WEIGHT Per 1000  | F.O.B. Kansas City  | Cloverset Pot Prices |
|-------|------------|-----------|------------------|---------------|------------------|---|----------------------|
| No. 0 | 5 1/2 ins. | 5 ins.    | 6 ins.           | 200           | 210 lbs.         | Per 100 \$4.25  |                      |
| No. 1 | 6 1/2 ins. | 6 ins.    | 7 ins.           | 100           | 340 lbs.         | 5.25  | Per 1000 \$40.00     |
| No. 2 | 8 1/2 ins. | 7 ins.    | 8 ins.           | 100           | 535 lbs.         | 5.75  | 50.00                |
| No. 3 | 9 ins.     | 8 ins.    | 9 ins.           | 100           | 600 lbs.         | 6.25  | 55.00                |
|       |            |           |                  |               |                  | 25 pots, \$7.70; 50 pots, \$14.60; 75, \$21.75; 100, \$26.15; 1000, \$231.00. | F.O.B. Kansas City.  |
| No. 4 | 13 ins.    | 12 ins.   | ....             | 25            | Per 100 133 lbs. |   |                      |

**SEND THIS COUPON for a sample set of Cloverset Pots**

## Cloverset Farm

Dept. AN 40,  
10550 Wornall Rd. Kansas City 14, Mo.

☐ I enclose 50c; send sample set of Cloverset pots (limit, one set).

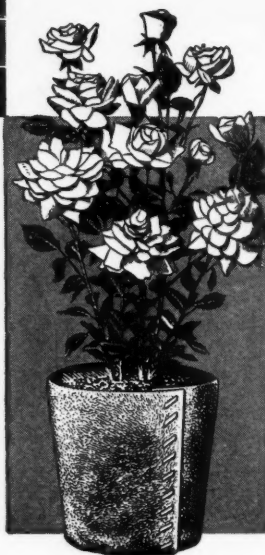
☐ Send information FREE on how to use Cloverset pots for greater profits!

NAME .....

FIRM .....

ADDRESS .....

CITY..... ZONE.... STATE.....



### HERE'S WHY CLOVERSET POTS ARE SUPERIOR TO OTHERS...

- 1 Lasts a full year or more in sales frame.
- 2 Contains roots safely within the soil ball; permits transplanting any time.
- 3 Has adequate bottom opening for good drainage without waterlogging; no gravel necessary.
- 4 Rests on wide bottom; no blowing over in the frames.
- 5 Available in sizes to accommodate stock of any salable size.
- 6 Is neat and uniform in appearance, an asset to the sales area.
- 7 Tough enough to permit easy handling in potting shed and frame.
- 8 Easy for customers to remove—at once, a week later or even a month after they take stock home.
- 9 Lightweight (but with all these qualities) to save on freight costs.
- 10 . . . and sufficiently low priced so that it may be given away with the plant.

was active in a local "Pals" movement in which he urged florists and nurserymen to send surplus flowers and pot plants to the sick and other shut-ins.

He is survived by his wife, Marlene; one son, Robert J. III; two daughters, Susan and Kathy; his parents, Mr. and Mrs. Robert J. Imlay; two brothers, and a sister.

#### Merchant U. Morris

Merchant U. Morris, who with his son, Stanley Lee, conducted the Morris Nursery, Indianapolis, Ind., died February 11 after suffering a heart attack a week earlier. He was a member of the Indiana Nurserymen's Association.

Before starting in the nursery business, about 10 years ago, he was employed by the Indiana Bell Telephone Co. for 20 years. An inventor, Mr. Morris was in the process of marketing some of his devices when he died. But he had always been lured by the outdoors and growing plants, the fascination that led to his starting the nursery.

He was a member of Southport Masonic lodge, Scottish Rite, Sahara grotto, Shrine and Rose Croix. Survivors include the widow, Hariett; his son, and a sister.

#### Mrs. J. Vernon Marshall

Mrs. J. Vernon Marshall, Marshall Nursery & Florist, Medford, Ore., died March 4 after an illness of several weeks. Mrs. Marshall was stricken with sleeping sickness and was hospitalized for a number of weeks. Recently she was released from the hospital because she was thought to be improving. She is survived by her husband, J. Vernon Marshall, with whom she worked in the business.

C. H. P.

#### George W. Poscharsky

George W. Poscharsky, landscape superintendent at M. J. Hunziker & Sons, Niles, Mich., died March 3 at the age of 56. He succumbed to a sudden heart attack. Mr. Poscharsky had been with the Hunziker organization for 33 years. He is survived by his widow, Winifred; a son, George; a daughter, Mary Ann; three grandchildren, and three sisters.

LANDSCAPE operations have been discontinued at Summer Hill Nursery, Inc., Madison, Conn., which now concentrates entirely on wholesale production. Other changes that occurred last year include the incorporation of the firm, acquisition of more land and the addition of a second propagating house.

# SCHROTH'S NURSERY

## SEEDLINGS

**It pays to plant The Best**      **Excellent Root Systems, Hardy ORDER NOW!**

*Grown at High Altitude — In the Heart of the Original Pine Forests  
In Indiana County — The Capital of the Christmas Tree World*

We grow and sell hundreds of thousands of evergreen seedlings each year.  
We suggest that you order early for our seedlings.

### PINE SEEDLINGS

|   | Per 100 | Per 1000 |
|---|---------|----------|
| <b>Scotch Pine, French Auvergne</b>       |         |          |
| (2-0), 2 to 4 ins. ....                   | \$ 2.00 | \$ 10.00 |
| (2-0), 4 to 7 ins. ....                   | 3.50    | 22.50    |
| (3-0), 6 to 8 ins. ....                   | 4.00    | 25.00    |
| (3-0), 8 to 12 ins. ....                  | 5.00    | 30.00    |
| (3-0), 12 to 18 ins. ....                 | 6.00    | 35.00    |
| <b>Scotch Pine, Spanish</b>               |         |          |
| (2-0), 2 to 4 ins. ....                   | 2.50    | 12.50    |
| (2-0), 4 to 8 ins. ....                   | 4.00    | 25.00    |
| <b>Scotch Pine, Nonyellowing (Herbst)</b> |         |          |
| (3-0), 8 to 12 ins. ....                  | 5.00    | 30.00    |
| (3-0), 12 to 18 ins. ....                 | 6.00    | 35.00    |
| <b>Scotch Pine, Austria</b>               |         |          |
| (3-0), 8 to 12 ins. ....                  | 5.00    | 30.00    |
| (3-0), 12 to 18 ins. ....                 | 6.00    | 35.00    |
| <b>Scotch Pine, Riga</b>                  |         |          |
| (2-0), 2 to 4 ins. ....                   | 2.00    | 10.00    |
| (2-0), 4 to 8 ins. ....                   | 3.50    | 22.50    |
| (3-0), 8 to 16 ins. ....                  | 5.00    | 30.00    |
| <b>Scotch Pine, Belgium</b>               |         |          |
| (3-0), 8 to 12 ins. ....                  | 5.00    | 30.00    |
| (3-0), 12 to 18 ins. ....                 | 6.00    | 35.00    |
| <b>White Pine</b>                         |         |          |
| (2-0), 3 to 5 ins. ....                   | 3.00    | 15.00    |
| (3-0), 5 to 9 ins. ....                   | 5.00    | 30.00    |
| <b>Austrian Pine</b>                      |         |          |
| (2-0), 2 to 4 ins. ....                   | 3.00    | 15.00    |
| (2-0), 4 to 7 ins. ....                   | 4.00    | 25.00    |
| (3-0), 10 to 16 ins. ....                 | 5.00    | 30.00    |
| (4-0), 12 to 20 ins. ....                 | 7.00    | 40.00    |
| <b>Red Pine</b>                           |         |          |
| (2-0), 2 to 4 ins. ....                   | 3.00    | 15.00    |
| <b>Ponderosa Pine</b>                     |         |          |
| (2-0), 2 to 4 ins. ....                   | 2.00    | 10.00    |
| (2-0), 4 to 7 ins. ....                   | 3.00    | 15.00    |
| (3-0), 7 to 14 ins. ....                  | 4.00    | 25.00    |
| <b>Mugho Pine</b>                         |         |          |
| (2-0), 2 to 4 ins. ....                   | 3.00    | 15.00    |
| (2-0), 3 to 5 ins. ....                   | 3.50    | 25.00    |
| (3-0), 4 to 6 ins. ....                   | 4.00    | 30.00    |

### HEMLOCK SEEDLINGS

|   |          |
|---|----------|
| <b>Hemlock, canadensis, nursery stock</b> |          |
| (2-0), 3 to 6 ins. ....                   | SOLD OUT |

Scotch Pine for Christmas trees is gaining in popularity all over the country and is soon expected to be the "King" of Christmas trees. We suggest you start your plantation this year.

All stock offered subject to prior sale.

We guarantee all stock represented herein for size and quality, or your money will be cheerfully refunded. Because of many conditions beyond our control, such as delay in shipment, mishandling on arrival, etc., we cannot guarantee survival of seedlings.

**ORNAMENTALS:** We do not have any ornamentals of any kind or species, balled or bare root.

**OUR SEEDLINGS** are grown under natural conditions. It has not been necessary for us to force our growing through irrigation or watering of any kind. We endeavor to make our seedlings hardy and able to withstand drought. We do not raise them on beefsteak and expect our customers to grow them later on water and crackers.

5% discount on 20,000 to 34,000. 10% discount on 35,000 and over of combined species.

**TERMS OF SALE:** All prices are F.O.B. Indiana, Pa. Stock is shipped C.O.D. parcel post or by express. State preference when ordering. All orders must be accompanied by full payment or by 25% deposit with balance before shipment or C.O.D. or satisfactory credit reference.

### SPRUCE SEEDLINGS

|                              | Per 100 | Per 1000 |
|------------------------------|---------|----------|
| <b>Norway Spruce</b>         |         |          |
| (2-0), 2 to 4 ins. ....      | \$ 3.00 | \$ 15.00 |
| (2-0), 4 to 8 ins. ....      | 4.00    | 25.00    |
| (2-0), 8 to 10 ins. ....     | 5.00    | 30.00    |
| (3-0), 8 to 12 ins. ....     | 6.00    | 35.00    |
| (3-0), 12 to 20 ins. ....    | 10.00   | 60.00    |
| <b>Black Spruce, Mariana</b> |         |          |
| (2-0), 4 to 5 ins. ....      | 3.00    | 20.00    |
| (2-0), 5 to 7 ins. ....      | 4.00    | 25.00    |
| (2-0), 7 to 12 ins. ....     | 5.00    | 30.00    |
| <b>White Spruce</b>          |         |          |
| (3-0), 3 to 5 ins. ....      | 3.00    | 20.00    |
| (3-0), 5 to 9 ins. ....      | 5.00    | 30.00    |
| (3-0), 9 to 14 ins. ....     | 8.00    | 50.00    |
| <b>Colorado Blue Spruce</b>  |         |          |
| (3-0), 3 to 5 ins. ....      | 3.00    | 20.00    |
| (3-0), 5 to 9 ins. ....      | 6.00    | 35.00    |
| (4-0), 6 to 12 ins. ....     | 10.00   | 60.00    |
| (4-0), 12 to 14 ins. ....    |         | SOLD OUT |

NO ENGELMANN SPRUCE THIS SEASON

### FIR SEEDLINGS

|                          |      |          |
|--------------------------|------|----------|
| <b>Douglas Fir</b>       |      |          |
| (2-0), 3 to 5 ins. ....  | 3.00 | 15.00    |
| (3-0), 5 to 8 ins. ....  | 6.00 | 35.00    |
| (3-0), 8 to 12 ins. .... | 8.00 | 50.00    |
| <b>Balsam Fir</b>        |      |          |
| (3-0), 3 to 5 ins. ....  | 4.00 | 25.00    |
| (3-0), 5 to 7 ins. ....  | 6.00 | 40.00    |
| <b>Fraser Fir</b>        |      |          |
| (3-0), 3 to 5 ins. ....  |      | SOLD OUT |

NO CONCOLOR FIR THIS SEASON

### LARCH SEEDLINGS

|                           |       |       |
|---------------------------|-------|-------|
| <b>Larch, European</b>    |       |       |
| (2-0), 5 to 8 ins. ....   | 4.00  | 20.00 |
| (2-0), 8 to 15 ins. ....  | 5.00  | 30.00 |
| (2-0), 15 to 18 ins. .... | 12.00 | 80.00 |

### CHESTNUT SEEDLINGS

|                                     |        |         |          |
|-------------------------------------|--------|---------|----------|
| <b>Chestnut, Chinese Ching-Chow</b> | Per 10 | Per 100 | Per 1000 |
| (1-0), 10 to 18 ins. ....           | \$3.00 | \$25.00 | \$150.00 |
| (1-0), 18 to 27 ins. ....           | 5.00   | 40.00   | .....    |

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# SCHROTH'S NURSERY

## INDIANA, PA.

## THIS BUSINESS OF OURS

*Reflections on the Problems of Nurserymen*

*By E. Sam Hemming*

### FLOWERING SHRUB BOOM

The popularity of certain plants and certain groups of plants seems to wax and wane. There is considerable evidence that the flowering shrub group is about to show a spurt of new interest.

The interest in and sales of flowering shrubs have been increasing over the past two decades in a steady but unspectacular manner. Many flowering shrubs are sold each year but without any excitement about the plants. This has been largely due to lack of any new or startling additions to the old list of flowering shrubs, composed of spiraeas, forsythias, deutzias, weigelas, mock oranges, lilacs and others. The list has been constant, varied with an improved weigela or forsythia. A secondary list could be made of shrubs which are always sold in much less quantity, largely because they are not showy or have limited use. This list would include such plants as viburnums, beauty-fruit, pearl-bush, kerria and a number of others.

It is hard to tell when the new boom in flowering shrubs will come, but there are a number of things pointing toward its imminence beside the fact that it is due. One of the signs is the effort to import and propagate varieties of flowering shrubs developed in recent years in Europe, or to import shrubs fairly well known in gardens in Europe but which are only in limited use in our gardens. In addition, both the plant introduction branch of the United States Department of Agriculture and semipublic institutions have made greater efforts to bring new plants to the United States.

### Hybridizing Efforts Increased

There have been increased efforts in the hybridization and selection of flowering shrubs, manifested in the new forsythias; the pink deutzias; the named varieties of chaenomeles, or flowering quince, and the new lilacs, mock oranges and crape myrtles. Some species that were without varieties are now being offered in more than one cultivar.

There has been an effort by some nurserymen to propagate and popularize certain choice shrubs which have always been known but rarely

planted. Plants of this group include *Viburnum setigerum* and *wrightii*, the white fringe tree, Chinese dogwood and Chinese redbud. The trouble with many of these plants has been that they are best propagated from seeds. Too many nurserymen, however, can think of quantity propagation only in terms of cuttings.

Another change in the interest in and improvement of the flowering shrubs arises from the increasing importance of the southern and of the "upper south" markets. These markets have grown so that their demand will sustain quantity production. To this can be attributed greater interest in semihardy shrubs, like the crape myrtle, pomegranate, St.-John's-wort and the ceanothus. A few years ago, crape myrtles were sold as white, pink, purple (or lavender) and red. Today there is a mass market for these; there are some named varieties, and the

U. S. D. A. and nurserymen themselves are seeking new varieties, particularly varieties that will prove hardy still farther north.

### Pricing Shrubs

While speaking of the crape myrtle, I think certain classes of shrubs which are more difficult to grow, propagate or bring to market than most other shrubs should be priced accordingly. If *Spiraea vanhouttei* can be grown to wholesale at 55 cents when at a height of two to three feet, that does not mean that the crape myrtle or other shrubs have to sell at the same price. When crape myrtle tries to compete on price with other shrubs, all nurserymen get is a hockey stick with a few roots. Shrubs should be grown and marketed on their own individuality, and if it costs as much to grow a certain shrub as it does a comparable yew, then the price should be comparable. Too long have the flowering shrubs been considered the cheap plants of the trade.

The flowering shrubs have not only been handled wrongly in pricing. Because a good many of them handle easily as a dormant, bare-root bundle of sticks, it is no reason to imply that the difficult-to-grow shrubs must be handled that way

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|  |   |
|--|---|
| <i>Azalea mucronulata</i> , 3-yr., T.  | <i>Taxus cuspidata</i> ,<br>2-yr., T.<br>4-yr., TT.       |
| <i>Berberis thunbergii atropurpurea</i> ,<br>2-yr., S.<br>15 to 18 ins.<br>18 to 24 ins. | <i>Taxus cuspidata nana brevifolia</i> ,<br>2-yr., T.     |
| <i>Cornus florida</i> , understock grade,<br>2-yr., T.                                   | <i>Taxus cuspidata densiformis</i> ,<br>2-yr., T.         |
| <i>Euonymus patens</i> , 3-yr., T.   | <i>Taxus media browni</i> , 2-yr., T.                     |
| <i>Forsythia Lynwood Gold</i> ,<br>2-yr., 18 to 24 ins.                                  | <i>Taxus media hatfieldi</i> ,<br>2-yr., T.               |
| <i>Forsythia spectabilis</i> ,<br>2-yr., 18 to 24 ins.                                   | <i>Taxus media Halloran</i> , 2-yr., T.                   |
| <i>Hydrangea P. G.</i> , 2-yr., T.   | <i>Taxus media hicksi</i> , 2-yr., T.                     |
| <i>Leucothoe catesbaei</i> , 3-yr., TT.  | <i>Taxus media nigra</i> , 2-yr., T.                      |
| <i>Myrica pensylvanica</i> , 2-yr., T.   | <i>Taxus media thayerae</i> , 2-yr., T.                   |
| <i>Picea pungens</i> , 4-yr., TT.  | <i>Viburnum dentatum</i> , understock<br>grade, 2-yr., T. |
| <i>Pieris japonica</i> , 4-yr., TT.  |   |

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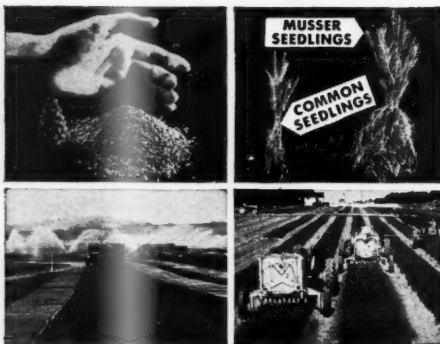
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|                              | Per 100 | Per 1000 |
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| 2-yr., S., 4 to 8 ins. ....  | 6.00    | \$ 30.00 |
| 3-yr., S., 8 to 16 ins. .... | 9.00    | 45.00    |
| 4-yr., T., 8 to 14 ins. .... | 20.00   | 100.00   |

### • MUGHO PINE

|                             |       |       |
|-----------------------------|-------|-------|
| 2-yr., S., 2 to 4 ins. .... | 7.00  | 35.00 |
| 4-yr., T., 3 to 5 ins. .... | 15.00 | 75.00 |

### • AUSTRIAN PINE

|                              |      |       |
|------------------------------|------|-------|
| 2-yr., S., 3 to 6 ins. ....  | 5.00 | 25.00 |
| 3-yr., S., 8 to 14 ins. .... | 8.00 | 40.00 |

### • BLACK HILLS SPRUCE

|                              |       |       |
|------------------------------|-------|-------|
| 3-yr., S., 5 to 10 ins. .... | 7.00  | 35.00 |
| 4-yr., S., 8 to 12 ins. .... | 10.00 | 50.00 |
| 4-yr., T., 4 to 8 ins. ....  | 15.00 | 75.00 |

### • NORWAY SPRUCE—Fast-growing

|                               |       |        |
|-------------------------------|-------|--------|
| 2-yr., S., 5 to 10 ins. ....  | 7.00  | 35.00  |
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| 3-yr., T., 5 to 10 ins. ....  | 15.00 | 75.00  |
| 5-yr., T., 12 to 18 ins. .... | 25.00 | 125.00 |

### • WHITE SPRUCE

|                              |       |       |
|------------------------------|-------|-------|
| 2-yr., S., 8 to 12 ins. .... | 8.00  | 40.00 |
| 4-yr., T., 6 to 12 ins. .... | 15.00 | 75.00 |

### • COLORADO BLUE SPRUCE

|                              |       |       |
|------------------------------|-------|-------|
| 3-yr., S., 6 to 12 ins. .... | 11.00 | 55.00 |
| 4-yr., T., 4 to 8 ins. ....  | 18.00 | 90.00 |

### • DOUGLAS FIR

|                              |       |       |
|------------------------------|-------|-------|
| 2-yr., S., 4 to 8 ins. ....  | 5.00  | 25.00 |
| 3-yr., S., 8 to 12 ins. .... | 11.00 | 55.00 |

### • AMERICAN ARBORVITAE

|                              |      |       |
|------------------------------|------|-------|
| 3-yr., S., 8 to 12 ins. .... | 8.00 | 40.00 |
|------------------------------|------|-------|

### • CANADIAN HEMLOCK

|                              |       |        |
|------------------------------|-------|--------|
| 2-yr., S., 3 to 6 ins. ....  | 9.00  | 45.00  |
| 3-yr., S., 8 to 12 ins. .... | 16.00 | 80.00  |
| 3-yr., T., 8 to 12 ins. .... | 20.00 | 100.00 |

### • CONCOLOR FIR

|                             |      |       |
|-----------------------------|------|-------|
| 2-yr., S., 4 to 8 ins. .... | 7.00 | 35.00 |
|-----------------------------|------|-------|

### • JAPANESE YEW—Grown from seed

| Taxus cuspidata capitata—upright pyramidal | Per 100 | Per 1000 |
|--|---------|----------|
| 3-yr., S., 8 to 12 ins. ....               | \$30.00 | \$200.00 |
| 4-yr., T., 6 to 10 ins. ....               | 40.00   | 300.00   |

### • JAPANESE YEW—Transplanted rooted cuttings

| Taxus cuspidata—spreading    |       |        |
|------------------------------|-------|--------|
| 1-yr., T., 5 to 6 ins. ....  | 25.00 | 175.00 |
| 2-yr., T., 6 to 8 ins. ....  | 35.00 | 250.00 |
| 3-yr., T., 8 to 12 ins. .... | 45.00 | 350.00 |

### Taxus hicksii—upright

|                              |       |        |
|------------------------------|-------|--------|
| 1-yr., T., 5 to 7 ins. ....  | 25.00 | 175.00 |
| 2-yr., T., 8 to 10 ins. .... | 40.00 | 300.00 |

### Taxus brownii—upright

|                             |       |        |
|-----------------------------|-------|--------|
| 1-yr., T., 4 to 6 ins. .... | 25.00 | 175.00 |
| 2-yr., T., 6 to 8 ins. .... | 40.00 | 300.00 |

### Taxus cuspidata capitata—Upright

| Tip cuttings                |       |      |
|-----------------------------|-------|------|
| 1-yr., T., 4 to 6 ins. .... | 25.00 | .... |

### Taxus intermedia—spreading

|                             |       |        |
|-----------------------------|-------|--------|
| 1-yr., T., 4 to 6 ins. .... | 25.00 | 175.00 |
| 2-yr., T., 6 to 8 ins. .... | 35.00 | ....   |

### • JUNIPER—Blue Pfitzer—Chinensis hotel

|                             |       |        |
|-----------------------------|-------|--------|
| 1-yr., T., 5 to 7 ins. .... | 25.00 | 200.00 |
|-----------------------------|-------|--------|

### • GLOBE ARBORVITAE

|                             |       |        |
|-----------------------------|-------|--------|
| Woodwardi—dark green        |       |        |
| 1-yr., T., 4 to 6 ins. .... | 30.00 | 250.00 |

### Hovey's—green

|                             |       |        |
|-----------------------------|-------|--------|
| 1-yr., T., 4 to 6 ins. .... | 25.00 | 200.00 |
|-----------------------------|-------|--------|

### • PYRAMIDAL ARBORVITAE—Compacta

|                             |       |        |
|-----------------------------|-------|--------|
| 1-yr., T., 5 to 7 ins. .... | 35.00 | 300.00 |
|-----------------------------|-------|--------|

### • JAPANESE HOLLY

|   |  |  |
|---|--|--|
| Ilex rotundifolia                             |  |  |
| *4-yr., TT., 12 to 15-in. spread, \$2.00 each |  |  |

\*Sold in lots 5 or more.

### • NORWAY MAPLE

|                               |       |       |
|-------------------------------|-------|-------|
| Seedlings, 10 to 16 ins. .... | 10.00 | 50.00 |
|-------------------------------|-------|-------|

### • WHITE DOGWOOD

|                               |       |       |
|-------------------------------|-------|-------|
| Seedlings, 18 to 24 ins. .... | 16.00 | 80.00 |
|-------------------------------|-------|-------|

also; this practice causes high losses among certain plants. It is better to handle such items as canned or B&B plants (and charge accordingly). Most landscape nurserymen handle their shrubs that way, producing a much more finished job than they can get from bare-root plants.

There will be increased interest in flowering shrubs in the near future with a greater variety to grow and sell.

## PLANT COLLECTIONS AT MICHIGAN STATE

The average annual addition of 250 plants to the rare woody plant collection on the campus at Michigan State University was surpassed in 1959. At present, we have in our university collections 3,218 species and varieties. Among the better represented genera are the following: 68 acer, 37 cornus, 27 cotoneaster, 65 ilex, 103 juniperus, 81 lonicera, 43 magnolia, 154 malus, 42 pinus, 84 prunus, 88 rhododendron, 54 salix, 65 syringa, 44 taxus, 36 thuja and 50 viburnum.

The collection is labeled according to the provisions of the last International Code of Nomenclature for cultivated plants. Lists of the ornamental plantings and their location on the campus are available from the office of campus site planning, and it is this office, under the supervision of Harold W. Lautner and Milton Baron, that deserves credit for the fine collection that is being developed.

Thanks are also given to the following sources for gifts: Arnold Arboretum, Cottage Gardens, Cunningham Gardens, Arie F. den Boer, John Emerson, Inter-State Nurseries, Mordigan Evergreen Nursery, Morton Arboretum, New York Botanic Garden, Rochester (N. Y.) parks; United States Department of Agriculture (U. S. plant introduction station) and University of Washington, and thanks are also due the American Association of Arboreta and Botanic Gardens for efforts in the exchange of rare plants.

This collection is used both for campus beautification and as laboratory material for classes in ornamental horticulture.

An opportunity is going to be provided for nurserymen to study the collection during the summer meeting of the Michigan Association of Nurserymen, August 7 and 8. The plants to be emphasized at that time will be those with most ornamental value during the summer months.

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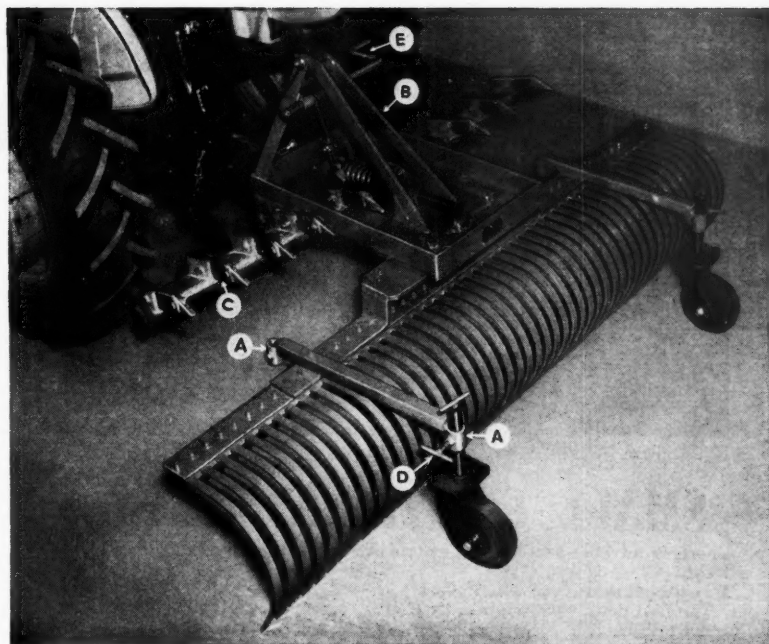


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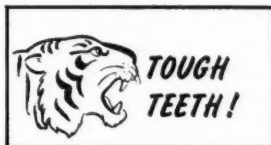
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## SMALL FLOWERING TREES

There is an ever-increasing demand for good small-growing flowering trees.

| <b>Prunus Kwanzan, 40 ft.</b>   | Unit rates in quantity. |           |
|---|-------------------------|-----------|
| The best double pink-flowering cherry.  | 10 to 49                | 50 to 250 |
| 4 to 5 ft. ....   | \$2.35                  | \$1.90    |
| 5 to 6 ft. ....   | 3.00                    | 2.50      |
| 6 to 8 ft. ....   | 4.25                    | 3.30      |
| <b>Prunus Thundercloud, 12 to 15 ft.</b>  |                         |           |
| (Purple-Leaved Flowering Plum) The best purple-leaved plum.                     |                         |           |
| 5 to 6 ft. ....   | 2.50                    | 2.00      |
| 6 to 8 ft. ....   | 3.00                    | 2.50      |
| <b>Prunus subhirtella, 25 to 35 ft.</b>   |                         |           |
| (Higan Cherry) A dense, light pink flowering Japanese Cherry.                   |                         |           |
| 4 to 5 ft. ....   | 2.35                    | 1.90      |
| 5 to 6 ft. ....   | 3.00                    | 2.50      |
| 6 to 8 ft. ....   | 4.05                    | 3.25      |
| 8 to 10 ft. ....  | 5.50                    | 4.50      |
| <b>Crataegus phaenopyrum (cordata), 12 to 15 ft.</b>                            |                         |           |
| (Washington Hawthorn) Tree form with good straight trunks.                      |                         |           |
| 4 to 5 ft. ....   | 2.50                    | 2.00      |
| 5 to 6 ft. ....   | 3.75                    | 3.00      |
| 6 to 8 ft. ....   | 5.00                    | 4.00      |
| <b>Magnolia soulangiana, 15 to 18 ft.</b>                                       |                         |           |
| (Saucer Magnolia) Most popular of all Magnolias. Our plants are heavily budded. |                         |           |
| 2 to 3 ft. ....   | 3.50                    | 2.75      |
| 3 to 4 ft. ....   | 4.75                    | 3.75      |
| 4 to 5 ft. ....   | 6.00                    | 5.00      |
| 5 to 6 ft. ....   | 7.50                    | 6.00      |

See our spring catalog for complete ornamental listings.

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## JUST A FEW OF OUR SPECIALTIES

|   | Each<br>Per 10 | Each<br>Per 20 |
|---|----------------|----------------|
| <b>Thuja occidentalis woodwardii</b>              |                |                |
| 12 to 15 ins., B&B .....                          | \$1.75         | \$1.50         |
| 15 to 18 ins., B&B .....                          | 2.00           | 1.75           |
| <b>Juniperus horizontalis glauca</b>              |                |                |
| 15 to 18 ins., B&B .....                          | 2.75           | 2.50           |
| 18 to 24 ins., B&B .....                          | 3.50           | 3.25           |
| <b>Pyracantha coccinea lalandi</b>                |                |                |
| 15 to 18 ins., B&B .....                          | 2.00           | 1.75           |
| 18 to 24 ins., B&B .....                          | 3.00           | 2.75           |
| <b>Myrica pensylvanica</b>                        |                |                |
| 15 to 18 ins., B&B .....                          | 2.25           | 2.00           |
| 18 to 24 ins., B&B .....                          | 3.50           | 3.25           |
| <b>Acer tataricum, 5 to 6 ft., B&amp;B</b>        | 4.50           | 4.25           |
| <b>Acer ginnala, 6 to 8 ft., B&amp;B</b>          | 6.50           | 6.25           |
| <b>Crataegus phaenopyrum, 7 to 8 ft., B&amp;B</b> | 9.50           | 9.00           |

Write for Wholesale Price List

### ARTHUR D. SLAVIN, Nurseryman

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Elbridge, N. Y.

On N. Y. S. Rt. 5 — 15 miles West of Syracuse

plants that will grow in this latitude a list has been compiled of those plants that we should like to obtain. While gifts are appreciated, a limited budget is available to purchase specimens that are not already in our collection.

If anyone knows the source of any of the plants on our "want list," we should appreciate the information, and a copy of the list of approximately 200 species of trees and shrubs will be sent promptly to anyone who will write the Office of Site Planning, Building A-1, South Campus, Michigan State University, East Lansing, Mich.

Donald P. Watson.

### CANADIAN CONFERENCE

[Continued from page 16]

the middle of July to kill the newly hatched nymphs.

Birch leaf miners have proved difficult to kill, as control measures are usually necessary for the first two generations. The first generation may be controlled by making a spray application about May 22 when birch leaves are fairly well developed and the miners are small. Leaves found to contain small, grayish or blanched, kidney-shaped areas when held up to the light are ready for spraying.

A second spray should be applied in about six weeks to control the second-generation larvae. He suggested using one of the following spray formulations: One and one-quarter pounds of 25 per cent lindane wettable powder to 100 gallons of water (about one-half tablespoonful to one gallon of water) or four pounds of 25 per cent malathion wettable powder to 100 gallons of water (about four tablespoonfuls to one gallon of water).

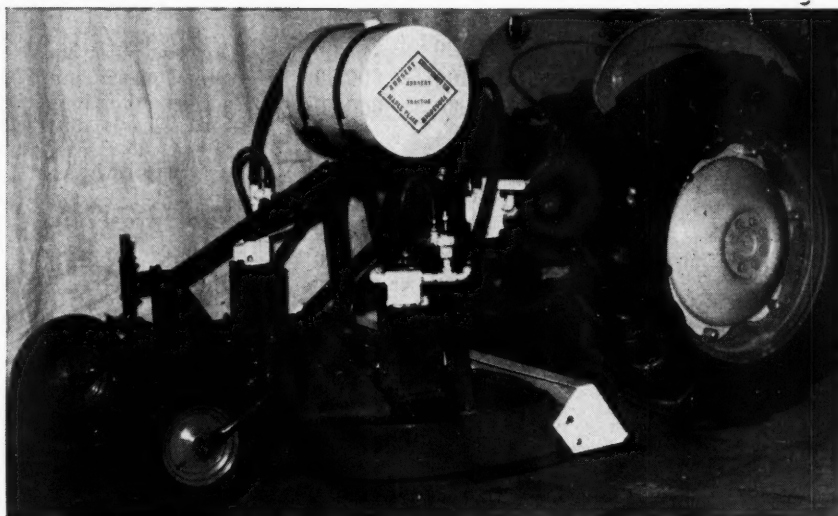
Prof. C. B. Kelly, department of botany, Ontario Agricultural College, Guelph, discussed "Tree Diseases." He stated that disease is any abnormal state and may be caused by insects or other factors, such as adverse weather or unfavorable soil conditions.

He predicted that this summer would see a number of unusual conditions because of the severe ice storms during the past winter.

Briefly discussing various diseases, he advised that cankers should be cut out for most effective control of this disease. Sprays should be used to prevent infection, and he pointed out that infection takes place during wet periods, when most fungi thrive.

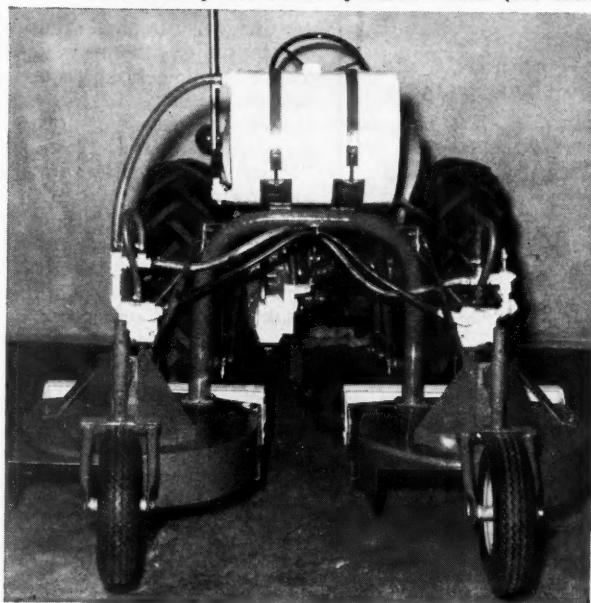
He touched on virus and bacterial

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- Mounts on all tractors with 3-point hitch.
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- Powered by two 5-H.P. hydraulic motors (one each blade).



- Makes mulch of winter cover crop.
- Two 30-inch adjustable mowers.
- Cutting blades completely enclosed.
- Mows from 1 to 12 ins. from ground.
- Saves days of cultivating.
- **FIELD TESTED**
- Ready for Spring Deliveries.

COMPLETE UNIT, F.O.B. Minnesota, less oil,

## \$850.00

**FIRST, MOW WINTER COVER CROP —  
THEN CULTIVATE —**

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Nursery Equipment Co., Inc.**

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Greenwood 9-4631

## PIERSON QUALITY EVERGREEN LINERS

| 5-yr., Twice Transplanted      | 100 rate | 1000 rate |
|--------------------------------|----------|-----------|
| <i>Taxus hatfieldi</i> .....   | \$75.00  | \$700.00  |
| <i>Taxus cuspidata</i> .....   | 65.00    | 600.00    |
| <i>Taxus nana erecta</i> ..... | 75.00    | 700.00    |
| <i>Taxus Halloran</i> .....    | 65.00    | 600.00    |
| <i>Taxus mooni</i> .....       | 75.00    | 700.00    |
| <i>Taxus hicksi</i> .....      | 65.00    | 600.00    |
| <i>Taxus thayerae</i> .....    | 65.00    | 600.00    |

| 4-yr., Twice Transplanted      |       |        |
|--------------------------------|-------|--------|
| <i>Taxus andersoni</i> .....   | 60.00 | 550.00 |
| <i>Taxus cuspidata</i> .....   | 50.00 | 450.00 |
| <i>Taxus nana erecta</i> ..... | 60.00 | 550.00 |
| <i>Taxus densiformis</i> ..... | 60.00 | 550.00 |
| <i>Taxus hicksi</i> .....      | 50.00 | 450.00 |
| <i>Taxus browni</i> .....      | 60.00 | 550.00 |
| <i>Taxus hatfieldi</i> .....   | 60.00 | 550.00 |
| <i>Taxus Halloran</i> .....    | 50.00 | 450.00 |

| 2-yr., Once Transplanted     |       |        |
|------------------------------|-------|--------|
| <i>Taxus andersoni</i> ..... | 30.00 | 250.00 |
| <i>Taxus cuspidata</i> ..... | 30.00 | 250.00 |
| <i>Taxus hicksi</i> .....    | 30.00 | 250.00 |
| <i>Taxus Halloran</i> .....  | 30.00 | 250.00 |

### QUANTITY PRICES

On 2-yr., once transplanted, order of 2500 plants or more,  
\$200.00 per 1000 shall apply.

REPRESENTED BY E. D. ROBINSON, SALES AGENT

## A. N. PIERSON, INC.

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Phone Middletown, DIamond 7-2511

## LINERS AT REDUCED QUANTITY PRICES

|                                    | Each<br>Per<br>1000 | Each<br>Per<br>5000 |                                      | Each<br>Per<br>1000 | Each<br>Per<br>5000 |
|------------------------------------|---------------------|---------------------|--------------------------------------|---------------------|---------------------|
| <i>Taxus cuspidata</i> , spreading |                     |                     | <i>Taxus media browni</i>            |                     |                     |
| 3-yr., TT., 6 to 9 ins. ....       | \$0.30              | \$0.24              | 3-yr., TT., 6 to 9 ins. ....         | \$0.40              | \$0.32              |
| 3-yr., TT., 9 to 12 ins. ....      | .40                 | .32                 | 3-yr., TT., 9 to 12 ins. ....        | .55                 | .44                 |
| 4-yr., TT., 10 to 15 ins. ....     | .50                 | .40                 | <i>Taxus media Moon's columnaris</i> |                     |                     |
| <i>Taxus cuspidata</i> , upright   |                     |                     | 3-yr., TT., 6 to 8 ins. ....         | .40                 | .32                 |
| 5-yr., TT., 6 to 8 ins. ....       | .35                 | .28                 | <i>Taxus media pyramidalis</i>       |                     |                     |
| <i>Taxus media andersoni</i>       |                     |                     | 3-yr., TT., 6 to 10 ins. ....        | .40                 | .32                 |
| 3-yr., TT., 8 to 12 ins. ....      | .45                 | .39                 | <i>Ilex crenata rotundifolia</i>     |                     |                     |
|                                    |                     |                     | 3-yr., TT., 8 to 12 ins. ....        | .35                 | .25                 |

One variety and size, 200 at 1000 rate; 2000 at 5000 rate. 5% discount for cash in advance or on delivery. Packing additional at cost.

## FAIRVIEW EVERGREEN NURSERIES

Fairview, Erie Co., Pa.

diseases, suggesting, with regard to the latter, that a handbook on such diseases be available and its recommendations followed.

The second day's sessions were late in starting, because of the storm, and began with a discussion on line-clearing practices. On the panel were John Hackett, D. R. Fluhrer and D. Bedgood. There was much discussion on the need for uniform standards. Clearance work on the Bell telephone and Hydro lines is done according to specifications, but, in many cases, other clearance jobs are given to the lowest bidder, who does the work as he sees fit. It appeared that general practice is to prune a tree so as to obtain a 2-year clearance.

James Redman, Al Sellers and J. A. Kimmel were participants in a panel discussion, "Spraying Practices." DDT appeared to be the most popular spray, but storage problems cause considerable trouble. One arborist found that a 32.4 DDT spray containing acetone, when mixed with water to make a 12 per cent solution, prevented freezing at temperatures to about 7 degrees Fahrenheit.

### Protective Clothing Needed

Clothing was discussed, and it was the general opinion that men in contact daily with sprays need protective clothing. Plastic covering for cars on the street has proved satisfactory in cases of street tree spraying. Commercial tree experts did not favor the city's spraying private trees except in extraordinary circumstances, such as those created by the spread of Dutch elm disease.

Dr. J. C. Carter, Illinois Natural History Survey, Urbana, held the attention of his audience as he displayed and demonstrated tools useful for the diagnosis of tree troubles. In the course of an hour, Dr. Carter showed how a pocketknife, an ax, extension pruner, shovel, hand lens, field glasses, punch, profile tool for soil sampling, air gauge and other tools can be effective in diagnosing tree troubles.

In an illustrated talk, J. V. Stenson, Sheridan Nurseries, Ltd., Toronto, discussed trees used for street and home planting in Europe and North America. He noted that as cities grow, suburbia or industry blankets the surrounding landscape, destroying woodland areas, trees and much of the farmland beauty of the countryside.

Although it is not possible to replace the amenities so destroyed, a new measure of beauty may be created in due time by the intelligent



# 60-PAGE DESCRIPTIVE WHOLESALE CATALOG NOW READY FOR MAILING

*Description, Ultimate Height and Hardiness of All Plants Listed*

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## SPECIALS

### PECANS, STUART,

Excellent quality

|                 | Each Per<br>10 Lots | Each Per<br>100 Lots |
|-----------------|---------------------|----------------------|
| 5 to 6 ft. .... | \$2.25              | \$2.00               |
| 6 to 8 ft. .... | 2.50                | 2.25                 |

### APPLE, 2-yr., br.

Varieties:

Double Red Delicious

Rich Red Stayman

Red Delicious

Rome Beauty

Red Jonathan

Stayman Winesap

Yellow Delicious

|   |     |     |
|---|-----|-----|
| 7/16 to 9/16-in. cal., 3 to 4 ft. ....  | .40 | .30 |
| 9/16 to 11/16-in. cal., 4 to 5 ft. .... | .50 | .40 |
| 11/16 to 1-in. cal., 5 to 6 ft. ....    | .60 | .50 |
| 1-in. cal. and up, 6 to 8 ft. ....      | .70 | .60 |

### MAGNOLIA GRANDIFLORA

(Southern Magnolia)

Ideal for canning for year-round sales.

|                           | Each Per<br>10 Lots | Each Per<br>100 Lots |
|---------------------------|---------------------|----------------------|
| 2-yr., 12 to 18 ins. .... | \$0.20              | \$0.17 1/2           |
| 2-yr., 18 to 24 ins. .... | .25                 | .22 1/2              |
| 2-yr., 2 to 3 ft. ....    | .30                 | .25                  |
| 2-yr., 3 to 4 ft. ....    | .35                 | .30                  |

## SPECIAL QUOTATIONS ON LARGE QUANTITIES COLD STORAGE—JUST COMPLETED!

Modern refrigerated storage to hold plants completely dormant to be shipped when desired at no additional charge to you.

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**BAIER LUSTGARTEN AZALEALAND NURSERIES**

Northern-grown, hardy azaleas, well-budded, sheared, heavy stock, field-grown, excellent foliage, over 200,000 spring delivery. All B&B.

| Amoena                       | Each  | Ally Wery                                 | Each   |
|------------------------------|-------|---|--------|
| 8 ins. ....                  | \$.75 | 8 ins. ....                               | \$1.00 |
| 10 ins. ....                 | 1.00  | 10 ins. ....                              | 1.25   |
| 12 ins. ....                 | 1.25  | 12 ins. ....                              | 1.50   |
| <b>Coral Bells</b>           |       | 15 ins. ....                              | 2.50   |
| 8 ins. ....                  | .75   | 18 ins. ....                              | 3.50   |
| 10 ins. ....                 | 1.00  | <b>Daybreak, Kurume</b>                   |        |
| 12 ins. ....                 | 1.25  | 8 ins. ....                               | .75    |
| <b>Hinodegiri</b>            |       | 10 ins. ....                              | 1.00   |
| Our Hinos are very dark red. |       | 12 ins. ....                              | 1.25   |
| 8 ins. ....                  | .75   | 15 ins. ....                              | 2.00   |
| 10 ins. ....                 | 1.00  | 18 ins. ....                              | 2.50   |
| 12 ins. ....                 | 1.25  | <b>Favorito</b>                           |        |
| 15 ins. ....                 | 2.00  | 8 ins. ....                               | .75    |
| 18 ins. ....                 | 2.50  | 10 ins. ....                              | 1.00   |
| 20 ins. ....                 | 3.50  | 12 ins. ....                              | 1.25   |
| 24 ins. ....                 | 5.00  | 15 ins. ....                              | 2.00   |
| 30 ins. ....                 | 6.00  | 18 ins. ....                              | 2.50   |
| 36 ins. ....                 | 7.50  | <b>Polaris</b>                            |        |
| <b>Orange Beauty, Kurume</b> |       | 8 ins. ....                               | .75    |
| 8 ins. ....                  | .75   | 10 ins. ....                              | 1.00   |
| 10 ins. ....                 | 1.00  | 12 ins. ....                              | 1.25   |
| 12 ins. ....                 | 1.25  | <b>Beethoven</b>                          |        |
| 15 ins. ....                 | 2.00  | 8 ins. ....                               | .75    |
| <b>Hino-Crimson</b>          |       | 10 ins. ....                              | 1.00   |
| 8 ins. ....                  | .75   | 12 ins. ....                              | 1.25   |
| 10 ins. ....                 | 1.00  | 15 ins. ....                              | 2.00   |
| 12 ins. ....                 | 1.25  | 18 ins. ....                              | 2.50   |
| 15 ins. ....                 | 2.00  | 20 ins. ....                              | 3.50   |
| <b>Snow</b>                  |       | <b>Johann Strauss</b>                     |        |
| 8 ins. ....                  | .75   | 8 ins. ....                               | .75    |
| 10 ins. ....                 | 1.00  | 10 ins. ....                              | 1.00   |
| 12 ins. ....                 | 1.25  | 12 ins. ....                              | 1.25   |
| <b>Ledifolia Alba</b>        |       | 15 ins. ....                              | 2.00   |
| 8 ins. ....                  | .75   | 18 ins. ....                              | 2.50   |
| 10 ins. ....                 | 1.00  | 20 ins. ....                              | 3.50   |
| 12 ins. ....                 | 1.25  | <b>Lilacina</b>                           |        |
| 15 ins. ....                 | 2.00  | 8 ins. ....                               | .75    |
| 18 ins. ....                 | 2.50  | 10 ins. ....                              | 1.00   |
| 20 ins. ....                 | 3.50  | 12 ins. ....                              | 1.25   |
| <b>Maxwell</b>               |       | 15 ins. ....                              | 2.00   |
| 8 ins. ....                  | .75   | 18 ins. ....                              | 2.50   |
| 10 ins. ....                 | 1.00  | 20 ins. ....                              | 3.50   |
| 12 ins. ....                 | 1.25  | <b>Kaempferi</b>                          |        |
| 15 ins. ....                 | 2.00  | Hardest of all azaleas; sheared, well-    |        |
| 18 ins. ....                 | 2.50  | budded, heavy.                            |        |
| <b>Louise Gable</b>          |       | <b>Othello, Salmon Beauty, Fedora and</b> |        |
| 8 ins. ....                  | 1.00  | <b>Carmen</b>                             |        |
| 10 ins. ....                 | 1.25  | 8 ins. ....                               | .75    |
| 12 ins. ....                 | 1.50  | 10 ins. ....                              | 1.00   |
| <b>Rose Bud</b>              |       | 12 ins. ....                              | 1.25   |
| 8 ins. ....                  | 1.00  | 15 ins. ....                              | 2.00   |
| 10 ins. ....                 | 1.25  | 18 ins. ....                              | 2.50   |
| 12 ins. ....                 | 1.50  | 20 ins. ....                              | 3.50   |
| <b>Rose Greeley</b>          |       | 24 ins. ....                              | 5.00   |
| 8 ins. ....                  | 1.00  | 30 ins. ....                              | 6.00   |
| 10 ins. ....                 | 1.25  | 36 ins. ....                              | 7.50   |

1-yr., T., \$125.00 per 1000.

Our azalea beds are treated for shipment outside Japanese Beetle zone.

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**GUARANTEED-TO-LIVE  
TRANSPLANTED EVERGREENS**

|   | Per 1000 |
|---|----------|
| Austrian Pine, 4-yr. transplants (2-2), 8 to 15 ins. ....               | 70.00    |
| Scotch Pine (Austrian Hill), 4-yr. transplants (2-2), 6 to 15 ins. .... | 65.00    |
| Colorado Blue Spruce, 5-yr. transplants (2-3), 6 to 10 ins. ....        | 150.00   |
| Norway Spruce, 4-yr. transplants (2-2), 4 to 10 ins. ....               | 70.00    |
| White Spruce, 4-yr. transplants (2-2), 6 to 10 ins. ....                | 70.00    |
| White Spruce, 3-yr. transplants (2-1), 3 to 5 ins. ....                 | 60.00    |

**SEEDLINGS (Not Guaranteed)**

|  |       |
|--|-------|
| Douglas Fir, 2-yr. seedlings (2-0), 2 to 4 ins. ....                         | 30.00 |
| Fraser Fir, 2-yr. seedlings (2-0), 2 to 4 ins. ....                          | 25.00 |
| Scotch Pine (Austrian Hill), 2-yr. seedlings (2-0), 4 to 8 ins. ....         | 25.00 |
| Scotch Pine (North German), 2-yr. seedlings (2-0), 3 to 5 ins. ....          | 20.00 |
| Scotch Pine (Spanish), 2-yr. seedlings (2-0), 4 to 8 ins. ....               | 25.00 |
| White Pine, 2-yr. seedlings (2-0), 3 to 5 ins. ....                          | 25.00 |
| Colorado Blue Spruce, 4-yr. seedlings (4-0), 6 to 12 ins., root pruned. .... | 50.00 |
| Norway Spruce, 3-yr. seedlings (3-0), 4 to 8 ins., root pruned. ....         | 30.00 |
| European Larch, 2-yr. seedlings (2-0), 4 to 10 ins. ....                     | 30.00 |
| Japanese Black Pine, 2-yr. seedlings (2-0), 3 to 6 ins. ....                 | 25.00 |

**TERMS**

Cash with order; or one-half cash with order, balance C.O.D. All prices F.O.B. Fryeburg, Maine, net; no discounts. 250 trees of any one kind and size at the 1000 rate. For less than 250 of one kind, ask for retail price list. No extra charge for boxes or packing.

If they are grown in Maine they will grow anywhere. Several other varieties of transplants available. Send for complete list of stock.

**OUR GUARANTEE**

90 per cent of all transplants sold at regular wholesale prices as quoted in this list are guaranteed to live. Replacements will be made free of charge for any losses in excess of 10 per cent of the number purchased, provided we are notified of such losses by October 1, 1960 (Seedlings not guaranteed).

**WESTERN MAINE FOREST NURSERY CO.**

Dept. AN-410

Fryeburg, Maine

selection, grouping and arranging of hardy plant materials, particularly trees, on the streets and roadsides and in public places.

It was his opinion that, for a new subdivision or a redevelopment area, a master street tree plan based on a survey and inventory of existing conditions not only has merit, but is best for over-all effect. He deplored the fact that there is little evidence of such planning.

**Sees Strong Demand**

The majority of the trees that smother the streets today in older residential sections are more proper to parks and would not now be recommended for planting on a city street. The future expansion of cities, particularly of residential areas, suggests that the demand will be strong for trees for street and home use.

To what extent are nurserymen or arborists prepared to cope with this situation, asked Mr. Stensson. The task of nurseries in shifting their production emphasis from forest trees to the new dwarf, compact trees cannot be completed overnight. The supply in relation to the need will probably be tight for some years. A considerable investment by nurseries is necessary to satisfy the demand for these types of trees.

He continued by saying that some nurseries are making a special effort not only to propagate smaller trees but to develop new desirable selections and mentioned several hybrids recently released in Canada and in the United States.

He stated it was a point worthy of observation that the European species of many trees seem better able to withstand the adverse environment of our North American civilization than many of our native trees.

As examples, he noted that European lindens take more kindly to our cities than the native linden; the European maples are better in such situations than our sugar maple, and the London plane better than our native plane.

The social side was not overlooked at the conference, and on Friday evening, February 26, a cocktail hour preceded a banquet with entertainment. The ladies enjoyed a program of their own, which included a tour of the Imperial Oil building Thursday afternoon, with tea at the Granite Club. After a luncheon served Friday noon, a visit was made to Casa Loma. Exhibits on display by suppliers added to the value of the conference and created interest.

## USE VAUGHAN'S GUARANTEED PRODUCTS TO GROW AND MAINTAIN FINE LAWNS AND GARDENS

### VAUGHAN'S MASTER BLEND MERION FORMULA

The formula proved **best** for producing a famous Merion Lawn. Contains over a million seeds of **pure** Merion strain per lb. Plus the two latest discoveries of turf scientists: First, Delta Blue Grass for quick cover to "nurse" the Merion; second, Pennlawn Fescue for sandy or shady areas. Master Blend adapts to varying soil, moisture and shade to insure a good lawn under practically all conditions.

- Grows greener . . . stays greener all summer.
- Stands closer, less frequent mowing.
- Produces thicker turf . . . spreads faster.
- Crowds out crab grass and other weeds better.
- Resists leaf spot and other diseases.
- Deeper, stronger roots resist drought and heat . . . need less watering.
- Broader, sturdier leaves withstand wear better than other luxury-looking grasses.
- 100% Perennial Grasses . . . 42% Merion Kentucky Blue Grass plus Delta Kentucky Blue Grass and Pennlawn Creeping Red Fescue.
- Costs less because it goes farther . . . sow 1 lb. per 750 sq. ft. . . only 1/3 as much as standard blue grass mixtures.

|                  | Retail  | Packed             | Cost    |
|------------------|---------|--------------------|---------|
| 1-lb. ctns. .... | \$ 1.98 | Case 25/1 lb. .... | \$30.00 |
| 3-lb. ctns. .... | 5.90    | Case 16/3 lb. .... | 56.16   |
| 5-lb. bag ....   | 9.65    | Bale 10/5 lb. .... | 57.50   |
| 10-lb. bag ....  | 18.80   | Bale 2/10 lb. .... | 22.60   |

#### MERION STRAIGHT

|                  | Retail  | Packed             | Cost     |
|------------------|---------|--------------------|----------|
| 1-lb. ctns. .... | \$ 2.29 | Case 25/1 lb. .... | \$ 40.00 |
| 3-lb. ctns. .... | 6.85    | Case 16/3 lb. .... | 74.40    |
| 5-lb. bag ....   | 11.25   | Bale 10/5 lb. .... | 76.00    |
| 10-lb. bag ....  | 22.50   | Bale 2/10 lb. .... | 30.00    |
| 25-lb. bag ....  | 55.00   | Bag 1/25 lb. ....  | 36.75    |
| 50-lb. bag ....  | 108.50  | Bag 1/50 lb. ....  | 73.00    |
| 100-lb. bag .... | 210.00  | Bag 1/100 lb. .... | 145.00   |

Broken Cases 2c per lb. higher.



#### PRE-KILL 99% EFFECTIVE!

The Midwest Turf Foundation at Purdue University tested pre-emergent crab grass killers on 1000 grass plots. Vaughan's Pre-Kill was proved 99% effective . . . best on the market! If applied **now**, Pre-Kill's calcium arsenate puts a barrier in the soil that prevents crab grass's growing. Spread according to directions, Pre-Kill gives **PERMANENT PROTECTION**. Also controls chickweed, Poa annua. Banishes grubs, cutworms, moles.

| Size                  | Packed | Cost              | Retail          |
|-----------------------|--------|-------------------|-----------------|
| 1000 sq. ft. ....     | 6—     |                   |                 |
| 9 lbs. (2500 sq. ft.) | 4—     | Wt. 114 lbs. .... | \$17.82 \$ 4.95 |
| 2500 sq. ft. ....     | 12—    | Wt. 552 lbs. .... | 76.84 10.95     |

#### K.O.—ALL-IN-ONE WEED KILLER!

Knocks out both crab grass and weeds. Contains Sodar® the proved post-emergent crab grass killer plus 2,4-D for definite destruction of broad-leaved weeds. And now this double-death-dealing weed control comes in easy-to-use application forms.

##### DRY K.O. FOR SPREADING

| Size                  | Packed | Cost              | Retail         |
|-----------------------|--------|-------------------|----------------|
| 9 lbs. (2500 sq. ft.) | 4—     | Wt. 38 lbs. ....  | \$ 9.48 \$3.95 |
| 18 lbs. ....          | 10—    | Wt. 190 lbs. .... | 41.70 6.95     |

##### LIQUID K.O. FOR SPRAYING

| Size                | Packed | Cost             | Retail     |
|---------------------|--------|------------------|------------|
| Pint (1500 sq. ft.) | 12—    | Wt. 20 lbs. .... | 16.92 2.35 |
| Quart ....          | 12—    | Wt. 35 lbs. .... | 28.44 3.95 |

| Size        | Packed | Cost             | Retail     |
|-------------|--------|------------------|------------|
| 4 lbs. .... | 12—    | Wt. 50 lbs. .... | 16.20 2.25 |

#### VAUGHAN'S ROSE AND PLANT DUST OR SPRAY PROTECTS COMPLETELY!

Cures practically every insect or fungus trouble a plant can have . . . red spider, mites, black spot, powdery mildew, etc. Contains 7 1/2% Phalton—the newest and finest fungicide—plus 4% Malathion and 5% DDT to kill all leaf-eating and juice-drinking insects. 8 oz. is a refillable applicator gun.

| Size       | Packed | Cost             | Retail         |
|------------|--------|------------------|----------------|
| 8 oz. .... | 24—    | Wt. 22 lbs. .... | \$17.14 \$1.19 |
| 1 lb. .... | 12—    | Wt. 18 lbs. .... | 10.73 1.49     |
| 4 lb. .... | 8—     | Wt. 35 lbs. .... | 23.90 4.98     |

#### CHICKWEED KILLER

Powerful new formula makes it a positive destroyer of hard-to-control chickweed (and clover). Handy new shaker can for easy application treats average lawn. Safe on most fine grasses but will remove bent grass from blue grass lawns.

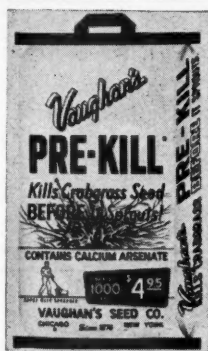
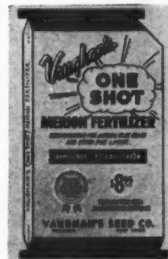
| Size        | Packed | Cost             | Retail     |
|-------------|--------|------------------|------------|
| 10 oz. .... | 12—    | Wt. 15 lbs. .... | \$6.98 97c |

#### ONE SHOT FEEDS BEST, COSTS LESS

Yes, just one easy spreader application keeps luxury lawns green and beautiful ALL SEASON. Grass uses 4 times more nitrogen than it does phosphorus or potash. One Shot's 20-5-5 formula feeds all this nitrogen at a lower yearly cost than any other lawn food. Amazing new Du Pont Uramite releases over 50% of One Shot's massive nitrogen content g-r-a-d-u-a-l-l-y all season . . . prevents leaf burn.

So, though the first cost of One Shot is higher, it does the best feeding job and costs least—besides saving application labor! 50-lb. bag feeds 2500 sq. ft. all season.

| Size         | Packed | Cost              | Retail         |
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| 25 lbs. .... | 12—    | Wt. 306 lbs. .... | \$36.50 \$4.95 |
| 50 lbs. .... | 12—    | Wt. 610 lbs. .... | 66.00 8.95     |



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# Business Management Phases

**Crop Scheduling, Bookkeeping, Sales, Collections, Topics at Michigan Convention**

## LOCATING NEW ACCOUNTS

"Locating New Accounts—the Easy Way" was the subject discussed by Douglas Mueller, secretary of the agricultural committee, Greater Detroit board of commerce, at the Michigan convention. Referring to the ingredients for a successful salesman, Mr. Mueller said he must know his product, his market and his competition. It is essential to know what stock will be sold; do not get it too unwieldy so that the salesperson does not know something about all the stock. Know how the products are used and the various attributes which they possess. In selling it is necessary to build up the confidence of the customer by first assuming that he knows nothing and then trying to be helpful.

In knowing the market, it should be decided what area and what type of persons are to be served. Nurserymen's competition is not the other nurserymen in the same community.

Mr. Mueller named several activities which he believed nurserymen should consider: Convince developers of property to do sufficient landscaping before the homeowner moves in; sell persons on having their maintenance work done for them; promote landscaping of stores intensively; mail out more gardening tips, as homeowners need assistance; use display advertisements in newspapers to give helpful advice; sponsor more adult education classes.

## PRODUCTION SCHEDULING

The lack of adequate production records and the difficulty in forecasting future demand were factors brought out in the panel discussion at the Michigan convention entitled "Nursery Production Scheduling," which was under the chairmanship of Harold Hicks, Cottage Gardens, Lansing, Mich. Lewis Bookwalter, Berryhill Nursery Co., Springfield, O., opened by passing out abbreviated copies of the master plan used by his nursery, showing quantities in tabular form for varieties of stock under the headings: Total production, normal production, build-up or reduction, balled and burlapped, lining-out, container, propagation schedule for winter and summer, amount purchased and then various notes for increasing or decreasing quantities for years ahead. Mr.

Bookwalter pointed out that his nursery grows no seedlings. He believes that someday more adequate data will have to be kept to determine how much stock to grow and when it will be sold.

Henry Kleine, Newport Nursery Co., Newport, Mich., the next panel speaker, explained that he grows mainly deciduous seedlings. In planning production he looks at past records. His firm knows the income, expenses and sales for previous years and plans accordingly. Mr. Kleine knows how many seedlings can be produced in 100 linear feet and tries to have 30,000 or more of a variety and keep the number of varieties produced to 20. He added that he produces most of his own seeds.

## Advance Planning Essential

John Zelenka, Zelenka Evergreen Nursery, Grand Haven, Mich., stated that he grows ornamental evergreens in smaller sizes, including seedlings. He pointed out that trouble is encountered in anticipating

what will be sold in years ahead. Soil has to be prepared one year in advance. Globe arborvitae, related Mr. Zelenka, has been a big seller in containers for years. So production was increased, but it appears that the former number will be sufficient. He related that the demand for coniferous seedlings has seemed unlimited for years. But it has reached the top, and the amount produced will have to be whittled down. Euonymus vegetus is easy to grow and propagate, he pointed out, but the growers have not kept up with the demand for it.

Pricing at wholesale is not done according to costs, asserted Mr. Kleine, who believes that prices for lining-out stock are low. He said he keeps cost records, but prices are set by the market. Even though cost records show a certain variety of stock is losing money, it should not be discontinued, as next year the price of it may go up or ways to reduce costs may be found. Production costs are important, as they

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|                                    | Each    |
|------------------------------------|---------|
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| 2 1/2 to 3-in. cal., 30-in. ball.  | 36.00   |
| 45 3 to 3 1/2-in. cal., B. R. .... | 28.00   |
| 3 to 3 1/2-in. cal., 33-in. ball.  | 48.00   |

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These bedded liners cannot be surpassed. They are under shade only the first year and face all the weather elements in open field beds.

| ARBORVITAE                             | Per 100  | Per 1000 |
|--|----------|----------|
| <b>American</b>                        |          |          |
| 2-yr., 6 to 10 ins. ....               | \$16.00  | \$150.00 |
| 3-yr., 10 to 15 ins. ....              | 19.00    | 175.00   |
| <b>Elegantissima</b>                   |          |          |
| <b>Pyramidalis</b>                     |          |          |
| <b>Globosa</b>                         |          |          |
| 2-yr., 6 to 8 ins. ....                | 24.00    | 200.00   |
| 3-yr., 8 to 12 ins. ....               | 30.00    | 250.00   |
| <b>Eliwangeriana Tom Thumb</b>         |          |          |
| 2-yr., 6 to 8 ins. ....                | 24.00    | .....    |
| 3-yr., 10 to 15 ins. ....              | 30.00    | .....    |
| <b>RETINOSPORA—CHAMAECYPARIS</b>       |          |          |
| <b>Filifera aurea (Gold Thread)</b>    |          |          |
| 2-yr., 4 to 8 ins. ....                | 22.50    | 200.00   |
| 3-yr., 6 to 8 ins. ....                | 27.50    | 250.00   |
| <b>Filifera (Green Thread)</b>         |          |          |
| 4-yr., 8 to 12 ins. ....               | 20.00    | 175.00   |
| <b>Obtusica crrippii</b>               |          |          |
| 2-yr., 6 to 8 ins. ....                | 25.00    | 225.00   |
| 3-yr., 6 to 8 ins. ....                | 30.00    | 275.00   |
| <b>TAXUS</b>                           |          |          |
| <b>Cuspidata—Special</b>               |          |          |
| 1-yr., 4 to 6 ins. ....                | 14.00    | 150.00   |
| 2-yr., 6 to 10 ins. ....               | 20.00    | 175.00   |
| 3-yr., 8 to 12 ins. ....               | 25.00    | 225.00   |
| 4-yr., 8 to 12 ins. ....               | 27.50    | 250.00   |
| <b>Media hickii</b>                    |          |          |
| 1-yr., 4 to 6 ins. ....                | 20.00    | 180.00   |
| 2-yr., 6 to 8 ins. ....                | 25.00    | 225.00   |
| 2-yr., 8 to 10 ins. ....               | 30.00    | 275.00   |
| 3-yr., 8 to 10 ins. ....               | 35.00    | 325.00   |
| <b>Bacata repandens (Creeping Yew)</b> |          |          |
| 3-yr., 4 to 6 ins. ....                | 27.50    | 250.00   |
| 4-yr., 8 to 12 ins. ....               | Sold Out |          |

**RATE**—Under 200 at 100 rate; 200 or over at 1000 rate.

**TERMS**—Orders can be booked with ¼ cash, balance before shipping date or C.O.D. Cash with order earns 2% discount; boxing and packing free.

**SPECIAL DISCOUNTS ON LARGE QUANTITIES.**

Government-inspected stock; no Japanese beetles.

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### JUNIPER

First-class stock in every way. Surplus of 35,000 plants makes extra-low prices necessary.

|                             | Per 100 | Per 1000 |
|-----------------------------|---------|----------|
| <b>Chinensis, Pfister</b>   |         |          |
| 2-yr., 4 to 8 ins. ....     | \$19.00 | \$100.00 |
| 3-yr., 8 to 10 ins. ....    | 24.00   | 210.00   |
| <b>Glaucia hetzi</b>        |         |          |
| 2-yr., 6 to 10 ins. ....    | 19.00   | 100.00   |
| 3-yr., 10 to 15 ins. ....   | 24.00   | 210.00   |
| <b>Horizontalis plumosa</b> |         |          |
| 2-yr., 4 to 8 ins. ....     | 19.00   | 100.00   |
| 3-yr., 8 to 10 ins. ....    | 24.00   | 210.00   |
| <b>Sabina vancebron</b>     |         |          |
| 2-yr., 4 to 6 ins. ....     | 15.00   | 135.00   |
| 3-yr., 10 to 15 ins. ....   | 19.00   | 175.00   |

Per 100 Per 1000

### ILEX

|                               | Per 100 | Per 1000 |
|-------------------------------|---------|----------|
| <b>Rotundifolia</b>           |         |          |
| 1-yr., 3 to 6 ins. ....       | \$18.00 | \$100.00 |
| 2-yr., 4 to 8 ins. ....       | 22.50   | 200.00   |
| 3-yr., 6 to 10 ins. ....      | 27.50   | 250.00   |
| <b>Opaca (American Holly)</b> |         |          |
| 2-yr., 6 to 8 ins. ....       | 30.00   | 250.00   |
| 3-yr., 10 to 15 ins. ....     | 40.00   | 350.00   |
| <b>TSUGA (Hemlock)</b>        |         |          |
| <b>Canadian</b>               |         |          |
| 4-yr., 8 to 10 ins. ....      | 30.00   | 250.00   |
| 4-yr., 10 to 15 ins. ....     | 40.00   | 350.00   |

provide a basis for reducing cost, he added.

Mr. Bookwalter said that cost records cannot be kept on plants for over four or five years, as the loss factor becomes involved.

As a rough guide, Mr. Kleine indicated that liners should cost 10 per cent of the price at which one expects to market a plant in two years.

### BOOKKEEPING METHODS

A small but interested group attended the seminar entitled "Easy Bookkeeping Methods for the Maintenance Business," conducted by Sherwood Wagner, district supervisor, management services division, Ernst & Ernst, Detroit, at the Michigan convention. He said an easy method of bookkeeping is possible only if one practices it and systematizes it.

The reasons for business failures, according to a survey of the small business administration, are as follows: Inadequate records, inaccurate cost information, lack of inventory control, failure to budget expenses, excessive operating costs, little or no accounting control, little or no tax planning, faulty purchasing practices, faulty sales practices, insufficient capital, lack of sound and ef-

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# PINE — SPRUCE — FIR

## Seedlings and Transplants

| NORWAY SPRUCE ( <i>Picea excelsa</i> )                        |       | Per 100 | Per 1000 |
|---|-------|---------|----------|
| 2-yr., S., 2 to 3 ins.  | ..... | \$ 8.00 | \$ 25.00 |
| 2-yr., S., 3 to 4 ins.  | ..... | 7.00    | 30.00    |
| 3-yr., S., 4 to 8 ins.  | ..... | 8.00    | 40.00    |
| 4-yr., S., 8 to 10 ins.                                       | ..... | 10.00   | 55.00    |
| 4-yr., S., 10 to 15 ins.                                      | ..... | 15.00   | 75.00    |
| 3-yr., T., 4 to 8 ins.  | ..... | 12.00   | 100.00   |
| 4-yr., T., 6 to 10 ins.                                       | ..... | 15.00   | 120.00   |
| 4-yr., T., 10 to 12 ins.                                      | ..... | 20.00   | 180.00   |
| 5-yr., T., 12 to 15 ins.                                      | ..... | 25.00   | 200.00   |
| SCOTCH PINE ( <i>Pinus sylvestris</i> )                       |       |         |          |
| 2-yr., S., 3 to 6 ins.  | ..... | 7.00    | 15.00    |
| 2-yr., S., 4 to 8 ins.  | ..... | 8.00    | 25.00    |
| 3-yr., S., 5 to 10 ins.                                       | ..... | 10.00   | 28.00    |
| 3-yr., S., 8 to 15 ins.                                       | ..... | 12.00   | 35.00    |
| 4-yr., T., 10 to 15 ins.                                      | ..... | 15.00   | 60.00    |
| AUSTRIAN PINE ( <i>Pinus nigra</i> )                          |       |         |          |
| 2-yr., S., 3 to 6 ins.  | ..... | 10.00   | 35.00    |
| 3-yr., S., 6 to 8 ins.  | ..... | 12.00   | 45.00    |
| 3-yr., S., 8 to 12 ins.                                       | ..... | 15.00   | 55.00    |
| WHITE SPRUCE ( <i>Picea alba</i> ), excellent blue-gray color |       |         |          |
| 2-yr., S., 3 to 6 ins.  | ..... | 8.00    | 20.00    |
| 2-yr., S., 4 to 8 ins.  | ..... | 10.00   | 28.00    |
| 3-yr., S., 8 to 10 ins.                                       | ..... | 12.00   | 35.00    |
| 3-yr., S., 10 to 15 ins.                                      | ..... | 15.00   | 45.00    |
| 4-yr., T., 4 to 6 ins.  | ..... | 20.00   | 180.00   |
| 5-yr., T., 6 to 10 ins.                                       | ..... | 25.00   | 200.00   |
| 5-yr., T., 10 to 15 ins.                                      | ..... | 30.00   | 250.00   |
| CONCOLOR FIR ( <i>Abies concolor</i> )                        |       |         |          |
| 2-yr., S., 2 to 3 ins.  | ..... | 12.00   | 35.00    |
| 2-yr., S., 3 to 4 ins.  | ..... | 15.00   | 45.00    |
| 3-yr., S., 4 to 6 ins.  | ..... | 18.00   | 55.00    |
| DOUGLAS FIR   |       |         |          |
| 2-yr., S., 2 to 3 ins.  | ..... | 10.00   | 25.00    |
| 3-yr., S., 3 to 5 ins.  | ..... | 12.00   | 30.00    |
| 4-yr., S., 4 to 8 ins.  | ..... | 15.00   | 40.00    |
| BLUE SPRUCE   |       |         |          |
| 2-yr., S., 2 to 3 ins.  | ..... | 7.00    | 30.00    |
| 2-yr., S., 3 to 4 ins.  | ..... | 8.00    | 35.00    |
| 3-yr., S., 4 to 8 ins.  | ..... | 10.00   | 40.00    |
| 3-yr., S., 8 to 10 ins.                                       | ..... | 15.00   | 50.00    |

Discount: Less 5% on quantities of 5000 or more of a kind.

Order 100 at 100 rate; 1000 at 1000 rate.

Special prices on large quantities. Write us.

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## PACHYSANDRA TERMINALIS

|  | 100     | 1000     |
|--|---------|----------|
| 1-yr., field-grown, vigorous plants..... | \$ 5.00 | \$ 45.00 |
| Lots of 3000 or more.....                | ..      | 42.50    |
| 2-yr., field-grown, extra heavy.....     | 8.00    | 75.00    |
| 2¼-in. pot-grown, 2 plants per pot.....  | 11.50   | 105.00   |

### OTHER GROUND COVER PLANTS

|   |       |        |
|---|-------|--------|
| <i>Euonymus fortunei coloratus</i> , 2-yr., field-grown ..... | 18.00 | 160.00 |
| <i>Euonymus fortunei radicans</i> , 1-yr., field-grown .....  | 15.00 | .....  |
| <i>Hedera helix</i> , 2¼-in. pot-grown .....                  | 12.50 | 115.00 |
| <i>Hedera helix baltica</i> , 2¼-in. pot-grown .....          | 13.00 | 120.00 |
| <i>Lonicera japonica halliana</i> , 2¼-in. pot-grown .....    | 11.00 | 100.00 |
| <i>Vinca minor</i> , 2¼-in. pot-grown .....                   | 13.50 | 125.00 |
| <i>Vinca minor Bowles variety</i> , 2¼-in. pot-grown .....    | 16.00 | 150.00 |

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### JAPANESE RED BARBERRY

|                                     | Per 100 | Per 1000 | Per 5000 |
|-------------------------------------|---------|----------|----------|
| 2-yr., S., 6 to 9 ins.....          | \$ 6.00 | \$ 50.00 | \$200.00 |
| 2-yr., S., 9 to 12 ins.....         | 8.00    | 70.00    | 300.00   |
| 2-yr., S., 12 to 18 ins.....        | 10.00   | 90.00    | 400.00   |
| 2-yr., S., 18 to 24 ins.....        | 15.00   | 125.00   | 575.00   |
| 4-yr., T., heavy, 15 to 18 ins..... | 30.00   | 275.00   | .....    |
| 4-yr., T., heavy, 18 to 24 ins..... | 35.00   | 325.00   | .....    |
| 4-yr., T., heavy, 2 to 2½ ft.....   | 37.50   | 350.00   | .....    |

### FAIRVIEW EVERGREEN NURSERIES

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fective credit policies and excessive investment in plant and equipment.

A definition of accounting, said Mr. Wagner, is that it is the art of recording, classifying and summarizing in a significant manner and in terms of money, transactions and events which are, in part at least, of a financial character and interpreting the results thereof. Mr. Wagner pointed out that it takes practice to interpret the records.

### Classification of Accounts

The development of a chart or classification of accounts is necessary in order to establish cost principles for a business, emphasized Mr. Wagner. A chart should be arranged to facilitate the recording of business transactions in a manner that will: (1) Express the major financial elements of a business, (2) secure control and accountability, (3) facilitate the preparation of financial and control reports and (4) provide sufficient flexibility to meet changing conditions. The first step in developing a chart of accounts is to select the necessary control accounts.

Next, subgroups should be selected within each control account in order to segregate items to the extent necessary to provide management with meaningful data. There are six fundamental types of accounts: (1) Balance sheet (a) assets—current investments and other property, deferred charges; (b) liabilities—current (under one year), long term (over one year); (c) ownership or proprietorship—capital stock or proprietary account, surplus (retained earnings). (2) Income accounts (a) revenue—sales; (b) deductions from revenue—sales returns; (c) cost of sales. (3) Expense controlling accounts (a) landscape maintenance; (b) landscape construction; (c) snow removal; (d) retail store; (e) general and administrative. (4) Other income accounts (a) interest earned; (b) discounts earned; (c) dividends received; (d) gain on disposal of permanent assets. (5) Other expense accounts (a) interest paid; (b) discounts allowed; (c) loss on disposal of permanent assets. (6) Provision for taxes on income.

Discussing cost principles, Mr. Wagner said the landscaping maintenance industry provides many types of services to a wide variety of customers and a majority of the companies employ 20 persons or less. Thus, the reporting and controlling of costs must be simple. In view of these factors, the job order system appears to be best suited to the main functions of the companies within



# FIELD-GROWN LINING-OUT STOCK

Transplanted stock grown in open field beds.

|  | Each<br>100<br>rate | Each<br>1000<br>rate |  | Each<br>100<br>rate | Each<br>1000<br>rate |  | Each<br>100<br>rate | Each<br>1000<br>rate |
|--|---------------------|----------------------|--|---------------------|----------------------|--|---------------------|----------------------|
| <b>Abies Concolor (Concolor Fir)</b>                           |                     |                      | <b>Juniperus glauca hetzi (Hetz Juniper)</b>                   |                     |                      | <b>Pyracantha coccinea inlandi (Fire Thorn)</b>                                      |                     |                      |
| 4 to 6 ins., 4-yr., T. ....                                    | \$0.30              | ...                  | 8 to 10 ins., 2-yr., T. ....                                   | \$0.32              | \$0.30               | 6 to 8 ins., 2-yr., T. ....  | \$0.32              | \$0.30               |
| 5 to 10 ins., 6-yr., T. ....                                   | .45                 | ...                  | 10 to 12 ins., 2-yr., T. ....                                  | .35                 | .32                  | 10 to 12 ins., 3-yr., T. ....  | .40                 | .38                  |
| <b>Azalea mollis (Chinese Azalea)</b>                          |                     |                      | 12 to 15 ins., 3-yr., T. ....                                  | .45                 | .42                  | 12 to 18 ins., 3-yr., T. ....  | .50                 | .45                  |
| 3 to 6 ins., 2-yr., T. ....                                    | .15                 | \$0.12               | 12 to 18 ins., 4-yr., cutback. ....                            | .55                 | .50                  | <b>Rhododendron Hybrid, various colors</b>   |                     |                      |
| <b>Azalea mucronulata, lavender</b>                            |                     |                      | <b>Juniperus hibernica fastigiata (Irish Juniper)</b>          |                     |                      | 3 to 5 ins., 3-yr., T. ....  | .45                 | ...                  |
| 1 to 3 ins., 1-yr., T. ....                                    | .25                 | .20                  | 8 to 10 ins., 2-yr., T. ....                                   | .35                 | .30                  | 5 to 8 ins., 4-yr., T. ....  | .55                 | ...                  |
| 4 to 8 ins., 2-yr., T. ....                                    | .35                 | .32                  | 10 to 12 ins., 3-yr., T. ....                                  | .38                 | .33                  | 8 to 10 ins., 4-yr., T. ....   | .55                 | ...                  |
| 8 to 10 ins., 3-yr., T. ....                                   | .45                 | ...                  | 12 to 15 ins., 3-yr., T. ....                                  | .45                 | .40                  | <b>Rhododendron catawbiense, rosy-purple</b>   |                     |                      |
| <b>Buxus sempervirens weddellii (Weller's Hardy Boxwood)</b>   |                     |                      | <b>Juniperus pfitzeriana compacta</b>                          |                     |                      | 4 to 6 ins., 2-yr., T. ....  | .40                 | .35                  |
| 4 to 6 ins., 2-yr., T. ....                                    | .28                 | .25                  | 8 to 10 ins., 2-yr., T. ....                                   | .45                 | ...                  | 6 to 8 ins., 2-yr., T. ....  | .50                 | .45                  |
| 6 to 8 ins., 2-yr., T. ....                                    | .35                 | .32                  | 10 to 12 ins., 3-yr., T. ....                                  | .55                 | ...                  | 8 to 12 ins., 3-yr., T. ....   | .65                 | .60                  |
| 8 to 10 ins., 3-yr., T. ....                                   | .45                 | ...                  | 12 to 15 ins., 4-yr., T. ....                                  | .60                 | .55                  | <b>Taxus capitata (Upright Japanese Yew), seed-grown</b>                             |                     |                      |
| <b>Chamaecyparis lawsoniana alumi</b>                          |                     |                      | <b>Juniperus pfitzeriana aurea</b>                             |                     |                      | 6 to 8 ins., 2-yr., T. ....  | .38                 | .32                  |
| 8 to 10 ins., 2-yr., T. ....                                   | .30                 | .28                  | 8 to 10 ins., 2-yr., T. ....                                   | .40                 | ...                  | 8 to 10 ins., 3-yr., T. ....   | .55                 | .45                  |
| 10 to 12 ins., 3-yr., T. ....                                  | .45                 | ...                  | 10 to 12 ins., 2-yr., T. ....                                  | .50                 | .45                  | 10 to 12 ins., 6-yr., T. ....  | .75                 | .65                  |
| 12 to 15 ins., 3-yr., T. ....                                  | .50                 | ...                  | 12 to 15 ins., 3-yr., T. ....                                  | .60                 | .55                  | 12 to 15 ins., 6-yr., T. ....  | .90                 | .80                  |
| <b>Chamaecyparis plumosa aurea (Golden Plume Cypress)</b>      |                     |                      | <b>Juniperus squamata meyeri (Meyer's Juniper), blue-green</b> |                     |                      | <b>Taxus cuspidata (Spreading Yew)</b>   |                     |                      |
| 6 to 8 ins., 2-yr., T. ....                                    | .35                 | .30                  | 4 to 6 ins., 2-yr., T. ....                                    | .40                 | ...                  | 6 to 8 ins., 2-yr., T. ....  | .38                 | .35                  |
| 8 to 10 ins., 3-yr., T. ....                                   | .40                 | .38                  | 6 to 10 ins., 3-yr., T. ....                                   | .48                 | ...                  | 8 to 10 ins., 2-yr., T. ....   | .45                 | .40                  |
| 10 to 15 ins., 3-yr., T. ....                                  | .50                 | .45                  | 6 to 10 ins., 3-yr., T. ....                                   | .48                 | ...                  | 10 to 12 ins., 3-yr., T. ....  | .50                 | .45                  |
| <b>Eucynonymus fortunei coloratus</b>                          |                     |                      | <b>Koeleria paniculata (Golden-Rain Tree)</b>                  |                     |                      | 10 to 15 ins., 4-yr., T. field. ....   | .95                 | .55                  |
| 8 to 12 ins., 2-yr., T. ....                                   | .25                 | .22                  | 12 to 18 ins., 4-yr., T. field. ....                           | .25                 | ...                  | <b>Taxus media hicksii (Hicks' Yew)</b>  |                     |                      |
| 12 to 18 ins., 3-yr., T. ....                                  | .35                 | .32                  | 18 to 24 ins., 5-yr., T. field. ....                           | .30                 | ...                  | 6 to 8 ins., 2-yr., T. ....  | .35                 | ...                  |
| <b>Eucynonymus fortunei erectus</b>                            |                     |                      | 2 to 2 1/2 ft., 5-yr., T. field. ....                          | .35                 | ...                  | 8 to 10 ins., 2-yr., T. ....   | .45                 | ...                  |
| 12 to 18 ins., 3-yr., T. ....                                  | .50                 | ...                  | <b>Leucothoe catesbaei (Drooping Leucothoe)</b>                |                     |                      | 10 to 15 ins., 3-yr., T. ....  | .55                 | ...                  |
| <b>Eucynonymus radicans vegetus</b>                            |                     |                      | 8 to 10 ins., 3-yr., T. ....                                   | .35                 | .30                  | <b>Thuja occidentalis douglasii aurea (Geo. Peabody Arborvitae), golden pyramid.</b> |                     |                      |
| 8 to 10 ins., 2-yr., T. ....                                   | .35                 | ...                  | 10 to 12 ins., 3-yr., T. ....                                  | .45                 | .42                  | 6 to 8 ins., 2-yr., T. ....  | .35                 | .32                  |
| 10 to 15 ins., 3-yr., T. ....                                  | .45                 | ...                  | 12 to 15 ins., 3-yr., T. ....                                  | .55                 | ...                  | 8 to 10 ins., 3-yr., T. ....   | .45                 | ...                  |
| <b>Hieracrenata (Japanese Holly)</b>                           |                     |                      | <b>Liquidambar styraciflua (Sweet Gum)</b>                     |                     |                      | 10 to 12 ins., 3-yr., T. ....  | .55                 | ...                  |
| 8 to 10 ins., 2-yr., T. ....                                   | .35                 | ...                  | 12 to 18 ins., 2-yr., field. ....                              | .08                 | ...                  | <b>Thuja occidentalis elegantissima lutea</b>  |                     |                      |
| 10 to 15 ins., 3-yr., T. ....                                  | .45                 | ...                  | 18 to 24 ins., 3-yr., field. ....                              | .10                 | .08                  | 6 to 8 ins., 2-yr., T. ....  | .35                 | .30                  |
| 12 to 18 ins., 3-yr., T. ....                                  | .65                 | .60                  | 2 to 3 ft., 3-yr., field. ....                                 | .12                 | .10                  | 8 to 10 ins., 3-yr., T. ....   | .40                 | .35                  |
| <b>Hieracrenata convexa (bullata)</b>                          |                     |                      | <b>Picea excelsa (Norway Spruce)</b>                           |                     |                      | 10 to 12 ins., 3-yr., T. ....  | .45                 | .40                  |
| 6 to 8 ins., 1-yr., T. ....                                    | .25                 | .22                  | 5 to 10 ins., 4-yr., T. ....                                   | .15                 | .12                  | 12 to 15 ins., 4-yr., T. field. ....   | .55                 | .50                  |
| 8 to 10 ins., 2-yr., T. ....                                   | .35                 | .32                  | 10 to 12 ins., 4-yr., T. ....                                  | .20                 | .18                  | 15 to 24 ins., 4-yr., T. ....  | .65                 | ...                  |
| 10 to 12 ins., 2-yr., T. ....                                  | .48                 | .45                  | 12 to 15 ins., 5-yr., T. ....                                  | .25                 | .20                  | <b>Thuja occidentalis globosa (Woodward Globe Arborvitae)</b>                        |                     |                      |
| 12 to 15 ins., 3-yr., T. ....                                  | .65                 | .55                  | <b>Picea pungens (Colorado Blue Spruce)</b>                    |                     |                      | 6 to 8 ins., 1-yr., T. ....  | .28                 | ...                  |
| 12 to 18 ins., 5-yr., field row spaced. ....                   | 1.00                | .90                  | 5 to 8 ins., 4-yr., T. ....                                    | .30                 | .25                  | 8 to 10 ins., 2-yr., T. ....   | .35                 | .32                  |
| <b>Hieracrenata hetzi</b>                                      |                     |                      | 8 to 10 ins., 5-yr., T. ....                                   | .45                 | .40                  | 10 to 12 ins., 3-yr., T. ....  | .40                 | .38                  |
| 8 to 10 ins., 2-yr., T. ....                                   | .40                 | .38                  | 10 to 15 ins., 5-yr., T. ....                                  | .55                 | .50                  | 12 to 15 ins., 3-yr., T. ....  | .50                 | .45                  |
| 10 to 12 ins., 3-yr., T. ....                                  | .45                 | .42                  | <b>Picea alba (White Spruce)</b>                               |                     |                      | <b>Thuja occidentalis pyramidalis (Pyramidal Arborvitae)</b>                         |                     |                      |
| 12 to 15 ins., 4-yr., T. ....                                  | .60                 | .55                  | 6 to 10 ins., 5-yr., T. ....                                   | .25                 | .20                  | 10 to 12 ins., 2-yr., T. ....  | .45                 | ...                  |
| 15 to 18 ins., 5-yr., T. ....                                  | 1.00                | .90                  | 10 to 15 ins., 5-yr., T. ....                                  | .30                 | .25                  | 12 to 15 ins., 3-yr., T. ....  | .55                 | ...                  |
| <b>Hieracrenata rotundifolia (Round-leaved Japanese Holly)</b> |                     |                      | <b>Pseudotsuga douglasii (Douglas Fir)</b>                     |                     |                      | 15 to 18 ins., 4-yr., T. ....  | .65                 | .55                  |
| 8 to 10 ins., 2-yr., T. ....                                   | .35                 | .30                  | 4 to 6 ins., 4-yr., T. ....                                    | .25                 | .20                  | <b>Tsuga canadensis (Hemlock)</b>  |                     |                      |
| 10 to 12 ins., 3-yr., T. ....                                  | .40                 | .35                  | 6 to 8 ins., 4-yr., T. ....                                    | .30                 | .25                  | 6 to 8 ins., 3-yr., T. ....  | .35                 | ...                  |
| 12 to 15 ins., 4-yr., T. ....                                  | .50                 | .45                  | 8 to 10 ins., 5-yr., T. ....                                   | .35                 | .30                  | 8 to 10 ins., 4-yr., T. ....   | .40                 | ...                  |
| 12 to 15 ins., 5-yr., T. heavy. ....                           | .65                 | .60                  | <b>Pinus mugo (Dwarf Mugo Pine)</b>                            |                     |                      | 10 to 15 ins., 4-yr., T. ....  | .55                 | .50                  |
| 15 to 18 ins., 6-yr., T. field. ....                           | 1.00                | .90                  | 2 to 3 ins., 3-yr., S. ....                                    | .10                 | .09                  | <b>Viburnum opulus nanum (Dwarf Bush Cranberry)</b>                                  |                     |                      |
| <b>Juniperus Andorra (Purple Andorra Juniper)</b>              |                     |                      | 3 to 5 ins., 3-yr., T. ....                                    | .20                 | .18                  | 2-yr., T. field. ....  | .25                 | .22                  |
| 6 to 8 ins., 1-yr., T. ....                                    | .30                 | ...                  | 5 to 8 ins., 4-yr., T. ....                                    | .25                 | .20                  | 4 to 8 ins., 3-yr., T. ....  | .35                 | .32                  |
| 8 to 10 ins., 3-yr., T. ....                                   | .45                 | .40                  | <b>Pinus nigra (Austrian Pine)</b>                             |                     |                      | 6 to 8 ins., 4-yr., T. ....  | .45                 | .42                  |
| 10 to 15 ins., 3-yr., T. ....                                  | .50                 | .45                  | 6 to 8 ins., 3-yr., S. ....                                    | .12                 | ...                  | very bushy. ....   |                     |                      |
| <b>Juniperus pfitzeriana, regular</b>                          |                     |                      | 8 to 12 ins., 3-yr., S. ....                                   | .15                 | ...                  |  |                     |                      |
| 8 to 10 ins., 2-yr., T. ....                                   | .45                 | .40                  |  |                     |                      |  |                     |                      |
| 10 to 15 ins., 3-yr., T. ....                                  | .55                 | .50                  |  |                     |                      |  |                     |                      |

Lining-out Stock. 25 at the 100 Rate. 300 at the 1000 Rate.

TERMS: Free packing for cash with order, otherwise 1/2 deposit with order and balance C.O.D. Packing at cost. All shipments by railway express.

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the industry. The job order system utilizes various records which enable the charging of specifically incurred costs directly to particular orders. Under this method, a job order is opened for each order received.

The general procedure for the cost accumulation phase of a job order system is administered as follows:

- (1) Assign a job number or order number when an order is received.
- (2) Enter pertinent data on a job

- cost sheet. (3) Complete the other necessary work, such as purchasing material, designing arrangement and scheduling of job. (4) Report labor performed on each job by means of employee (or crew) job tickets. All labor that can be charged directly to a job is posted to the job cost sheet. (5) Post value of materials used on jobs, drawn from stock or purchased to the job cost sheet. (6) Charge overhead costs to individual jobs on basis of an equitable predetermined rate. (7) Post billings

to customers as made (usually monthly). The costs thus incurred are charged monthly to the cost of sales. Thus, the information collected on the job cost sheets provides useful current data and, upon completion of the job, provides data for analysis that may be used for estimating and quoting on new inquiries.

Turning to mechanization Mr. Wagner said there is a possibility of using tabulating equipment with punched cards to keep labor tickets, invoices and job cost records.

## PLANT PIKES PEAK NURSERY STOCK FOR BEST RESULTS

### Seedlings and Transplants

#### SCOTCH PINE

| ( <i>Pinus sylvestris</i> )           | Per 100 | Per 1000 |
|---------------------------------------|---------|----------|
| (2-0), 2-yr., S., 2 to 3 ins. . . .   | \$ 7.50 |          |
| (2-0), 2-yr., S., 4 to 6 ins. . . .   | 2.75    | 17.50    |
| (3-0), 3-yr., S., 8 to 15 ins. . . .  | 4.25    | 27.50    |
| (2-2), 4-yr., T., 10 to 18 ins. . . . | 6.00    | 40.00    |
| (2-3), 5-yr., T., 12 to 24 ins. . . . | 8.25    | 55.00    |

#### WHITE PINE

| ( <i>Pinus strobus</i> )             | Per 100 | Per 1000 |
|--------------------------------------|---------|----------|
| (2-0), 2-yr., S., 4 to 6 ins. . . .  | 3.00    | 20.00    |
| (3-0), 3-yr., S., 5 to 10 ins. . . . | 4.50    | 30.00    |
| (2-1), 3-yr., T., 3 to 6 ins. . . .  | 6.75    | 45.00    |
| (2-2), 4-yr., T., 6 to 14 ins. . . . | 8.25    | 55.00    |

#### COLORADO BLUE SPRUCE

| ( <i>Picea pungens</i> )             | Per 100 | Per 1000 |
|--------------------------------------|---------|----------|
| (2-0), 2-yr., S., 3 to 6 ins. . . .  | 3.75    | 25.00    |
| (3-0), 3-yr., S., 4 to 8 ins. . . .  | 6.75    | 45.00    |
| (3-0), 3-yr., S., 6 to 12 ins. . . . | 8.25    | 55.00    |
| (2-2), 4-yr., T., 6 to 10 ins. . . . | 12.00   | 80.00    |



#### NORWAY SPRUCE

| ( <i>Picea abies</i> )                | Per 100 | Per 1000 |
|---------------------------------------|---------|----------|
| (2-0), 2-yr., S., 4 to 6 ins. . . .   | \$ 3.50 | \$22.50  |
| (3-0), 3-yr., S., 8 to 16 ins. . . .  | 5.25    | 35.00    |
| (2-2), 4-yr., T., 8 to 15 ins. . . .  | 9.00    | 60.00    |
| (2-3), 5-yr., T., 10 to 20 ins. . . . | 12.00   | 80.00    |

#### DOUGLAS FIR

| ( <i>Pseudotsuga taxifolia</i> )     | Per 100 | Per 1000 |
|--------------------------------------|---------|----------|
| (2-0), 2-yr., S., 4 to 7 ins. . . .  | 4.25    | 27.50    |
| (3-0), 3-yr., S., 5 to 12 ins. . . . | 6.75    | 45.00    |
| (3-2), 5-yr., T., 8 to 14 ins. . . . | 12.00   | 80.00    |

#### CANADIAN HEMLOCK

| ( <i>Tsuga canadensis</i> )          | Per 100 | Per 1000 |
|--------------------------------------|---------|----------|
| (2-1), 3-yr., T., 4 to 6 ins. . . .  | 10.50   | 70.00    |
| (3-1), 4-yr., T., 5 to 12 ins. . . . | 12.00   | 80.00    |

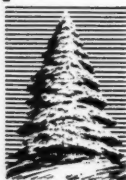
#### WHITE-FLOWERING DOGWOOD

| ( <i>Cornus florida</i> )             | Per 100 | Per 1000 |
|---------------------------------------|---------|----------|
| (2-0), 2-yr., S., 12 to 18 ins. . . . | 7.50    | 50.00    |
| (3-0), 3-yr., S., 24 to 30 ins. . . . | 12.00   | 75.00    |

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Photo shows 8-year-old  
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## SUPERIOR TAXUS SPAETH

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### SALES AND COLLECTIONS

Jack King, sales manager, commercial accounts, of the Burroughs Corp., Detroit, began his talk at the Michigan convention by saying that he has been introduced to people in the landscape field by being the owner of five new homes within recent years. He was naturally interested in the selling techniques employed by the landscape architect, the landscape gardener and the retail outlets.

He mentioned that all businesses are involved in salesmanship, with the primary factor being the salesman himself. Some of the qualifications for the salesman are appearance, courtesy and tact, cheerfulness, sincerity, knowledge of his product, enthusiasm, resourcefulness and aggressiveness. He further mentioned that in the act of selling, the customer is important, and the salesman must appeal to the customer's buying motives; i. e., pride in ownership; imitation—"keeping up with the Joneses"; leisure time; convenience; fear—protecting an investment, and ambition.

It is important for the salesman to decide what strategy to use with a customer in order to promote good relations. Mr. King said that the customer is vulnerable to three senses, sight, hearing and touch. It can be assumed that an appealing product will sell itself on sight. The customer, upon listening to the salesman, will be swayed in his decision whether or not to buy. Products are handled by the customer; therefore, the sense of touch is also important. Of these three senses, Mr. King emphasized that sight is the strongest sense and one picture is worth ten thousand words.

To illustrate his talk, Mr. King showed a film called "Return Engagement," which pointed up the subject matter of his speech.

In summary, Mr. King left with two important words on the subject of selling, enthusiasm and knowledge.

### TURFGRASS FOUNDATION

Lawn grass research will soon receive support from the newly formed Illinois Turfgrass Foundation. It will support research in the development of lawn grasses by the University of Illinois, announces Ben O. Warren, Palos Park, president of the foundation.

Other officers of the foundation are Bertram H. Rost, Hinsdale, vice-president; Paul Burdette, Lombard, treasurer, and Harleigh Kemmerer, U. of I., assistant professor of horti-

# CANALE'S FOREST NURSERY

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Shelocta, Pa.

|   | Per 100 | Per 1000 |
|---|---------|----------|
| Scotch Pine ( <i>Pinus sylvestris</i> ) |         |          |
| 2-yr., 2 to 4 ins.                      | \$ 2.00 | \$ 10.00 |
| 4 to 8 ins.                             | 4.00    | 20.00    |
| 3-yr., 8 to 14 ins.                     | 4.00    | 20.00    |
| 10 to 18 ins.                           | 5.50    | 28.00    |
| 4-yr., 12 to 20 ins.                    | 7.50    | 37.50    |

Special low prices on complete beds of 3 and 4-yr. Scotch Pine. Inquire for details.

|                                      |       |        |
|--------------------------------------|-------|--------|
| French Scotch Pine                   |       |        |
| 2-yr., 1 to 3 ins.                   | 2.00  | 10.00  |
| 3 to 6 ins.                          | 4.50  | 22.50  |
| 3-yr., 7 to 15 ins.                  | 7.00  | 35.00  |
| (2-3), 5 to 8 ins.                   | 5.00  | 40.00  |
| 7 to 12 ins.                         | 15.00 | 75.00  |
| Spanish Scotch Pine                  |       |        |
| 2-yr., 1 to 3 ins.                   | 2.00  | 10.00  |
| 3 to 6 ins.                          | 4.50  | 22.50  |
| 3-yr., 8 to 12 ins.                  | 7.00  | 35.00  |
| Riga Scotch Pine                     |       |        |
| 2-yr., 2 to 4 ins.                   | 2.00  | 10.00  |
| 4 to 8 ins.                          | 4.00  | 20.00  |
| 3-yr., 8 to 15 ins.                  | 4.00  | 20.00  |
| Scotch Pine, transplants             |       |        |
| (2-2), 5 to 10 ins.                  | 10.00 | 50.00  |
| 10 to 15 ins.                        | 15.00 | 75.00  |
| 15 to 18 ins.                        | 25.00 | 125.00 |
| Austrian Pine ( <i>Pinus nigra</i> ) |       |        |
| 2-yr., 1 to 3 ins.                   | 2.00  | 10.00  |
| 3 to 6 ins.                          | 4.00  | 20.00  |
| 3-yr., 8 to 15 ins.                  | 6.00  | 30.00  |
| Red Pine ( <i>Pinus resinosa</i> )   |       |        |
| 2-yr., 2 to 4 ins.                   | 3.00  | 15.00  |
| 3-yr., 5 to 10 ins.                  | 5.00  | 25.00  |
| 4-yr., 8 to 14 ins.                  | 10.00 | 50.00  |
| (2-3), 10 to 15 ins.                 | 15.00 | 75.00  |
| White Pine ( <i>Pinus strobus</i> )  |       |        |
| 2-yr., 1 to 3 ins.                   | 2.00  | 10.00  |
| 3 to 6 ins.                          | 3.00  | 15.00  |
| Mugo Pine ( <i>Pinus mugo</i> )      |       |        |
| 3-yr., 1 to 3 ins. height            |       |        |
| or spread                            | 7.00  | 35.00  |
| (2-2), 3 to 6 ins., 25c each         |       |        |
| (2-3), 6 to 12 ins., 50c each        |       |        |

|   | Per 100 | Per 1000 |
|---|---------|----------|
| Ponderosa Pine ( <i>Pinus ponderosa</i> )               |         |          |
| 2-yr., 2 to 4 ins.                                      | \$ 2.00 | \$ 10.00 |
| 4 to 8 ins.   | 4.00    | 20.00    |
| 3-yr., 6 to 12 ins.                                     | 5.00    | 25.00    |
| Douglas Fir ( <i>Pseudotsuga taxifolia glauca</i> )     |         |          |
| 3-yr., 1 to 3 ins.                                      | 3.00    | 15.00    |
| 3 to 8 ins.   | 7.00    | 35.00    |
| 4-yr., 5 to 10 ins.                                     | 9.00    | 45.00    |
| 5 to 13 ins.  | 15.00   | 75.00    |
| (2-2), 3 to 7 ins.                                      | 10.00   | 50.00    |
| (2-3), 7 to 12 ins.                                     | 20.00   | 100.00   |
| Concolor Fir ( <i>Abies concolor</i> )                  |         |          |
| 2-yr., 2 to 4 ins.                                      | 3.00    | 15.00    |
| 3-yr., 4 to 8 ins.                                      | 11.00   | 55.00    |
| (2-2), 4 to 8 ins.                                      | 15.00   | 75.00    |
| Balsam Fir ( <i>Abies balsamea</i> )                    |         |          |
| 2-yr., 1 to 2 ins.                                      | 3.00    | 15.00    |
| 3-yr., 2 to 4 ins.                                      | 6.00    | 30.00    |
| (2-2), 3 to 5 ins.                                      | 12.50   | 62.50    |
| White Spruce ( <i>Picea pungens</i> )                   |         |          |
| 3-yr., 3 to 4 ins.                                      | 2.50    | 12.50    |
| 4 to 8 ins.   | 5.00    | 25.00    |
| (2-3), 4 to 8 ins.                                      | 10.00   | 50.00    |
| 5 to 15 ins.  | 15.00   | 75.00    |
| 15 to 20 ins.   | 30.00   | 150.00   |
| Black Spruce ( <i>Picea mariana</i> )                   |         |          |
| 2-yr., 2 to 4 ins.                                      | 2.50    | 12.50    |
| Black Hill White Spruce ( <i>Picea glauca densata</i> ) |         |          |
| 3-yr., 1 to 3 ins.                                      | 2.50    | 12.50    |
| 3 to 6 ins.   | 5.00    | 25.00    |
| (2-3), 3 to 5 ins.                                      | 10.00   | 50.00    |
| 5 to 10 ins.  | 15.00   | 75.00    |

|   | Per 100 | Per 1000 |
|---|---------|----------|
| FOR TRANSPLANTING   |         |          |
| The size of the following seedlings is 1 to 2-in. No discount. Net price. |         |          |
| Scotch Pine, \$7.50 per 1000  |         |          |
| Blue Spruce, \$8.00 per 1000  |         |          |
| Norway Spruce ( <i>Picea abies</i> )                                      |         |          |
| 2-yr., 2 to 4 ins.  | 2.00    | 10.00    |
| 4 to 8 ins.   | 4.00    | 20.00    |
| 3-yr., 5 to 10 ins.   | 6.00    | 30.00    |
| 8 to 14 ins.  | 8.00    | 40.00    |
| (2-2), 3 to 6 ins.  | 8.00    | 40.00    |
| 6 to 10 ins.  | 13.00   | 65.00    |
| 10 to 16 ins.   | 25.00   | 125.00   |

|  | Per 100 | Per 1000 |
|--|---------|----------|
| Colorado Blue Spruce ( <i>Picea pungens glauca</i> ) |         |          |
| 3-yr., 2 to 4 ins.                                   | \$ 2.50 | \$ 12.50 |
| 4 to 8 ins.  | 7.00    | 35.00    |
| 4-yr., 6 to 12 ins.                                  | 10.00   | 50.00    |
| 10 to 16 ins.  | 17.00   | 85.00    |
| (3-1), 3 to 6 ins.                                   | 8.00    | 40.00    |
| 6 to 10 ins.   | 17.00   | 85.00    |
| 8 to 12 ins.   | 25.00   | 125.00   |
| (2-3), 4 to 8 ins.                                   | 15.00   | 75.00    |
| 8 to 12 ins.   | 30.00   | 150.00   |
| 12 to 15 ins.  | 50.00   | 250.00   |
| Engelmann Spruce ( <i>Picea engelmannii</i> )        |         |          |
| 2-yr., 1 to 3 ins.                                   | 2.50    | 12.50    |
| 3 to 6 ins.  | 4.50    | 22.50    |
| Arborvitae ( <i>Thuja occidentalis</i> )             |         |          |
| 3-yr., 2 to 5 ins.                                   | 4.00    | 20.00    |
| Juniperus virginiana                                 |         |          |
| 3-yr., 3 to 6 ins.                                   | 4.00    | 20.00    |
| (2-2), 10 to 18 ins., 25c each                       |         |          |
| Juniperus communis depressa                          |         |          |
| (2-2), 8 to 14 ins., 25c each                        |         |          |

## ORNAMENTAL LINING-OUT STOCK

|   |       |        |
|---|-------|--------|
| Taxus browni  |       |        |
| 4-yr., TT.  | 42.50 | 400.00 |
| Taxus andersoni   |       |        |
| 3-yr., TT.  | 35.00 | 325.00 |
| 4-yr., TT.  | 42.50 | 400.00 |
| Taxus cuspidata   |       |        |
| 3-yr., TT.  | 35.00 | 325.00 |
| 4-yr., TT.  | 42.50 | 400.00 |
| 5-yr., TTT.   | 62.50 | 600.00 |
| Taxus hicksii   |       |        |
| 3-yr., TT.  | 35.00 | 325.00 |
| 4-yr., TT.  | 42.50 | 400.00 |
| 5-yr., TTT.   | 62.50 | 600.00 |
| 250 or more of a variety at 1000 rate; less than 250 at 100 rate. Stock subject to prior sales. |       |        |

## PLEASE NOTE

May we advise booking your order early—NOW—and avoid disappointment. Some items are in limited supply. May we therefore advise you to list secondary choices.

## TERMS

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All orders to be accepted must be accompanied by a deposit of at least 25%, balance prior to shipping or order will be sent C.O.D. There is a 50c packing charge on seedling orders less than 1000. 5% discount on quantity purchases of 25,000 or more. Send want list for special quotation on large orders.

Order early. Earliest orders given preference for earliest shipping dates.

culture, secretary. The incorporators also include R. Milton Carleton, Gager Vaughan and Dr. Ralph F. Voight, Chicago.

This new organization has been formed by private individuals. But several U. of I. college of agriculture staff members will serve on the advisory committee. They will select problems to study. Plots have been planted at Dixon Springs, Downers Grove and Urbana.

Standard and improved varieties of grass will be studied for their response to level of clipping, fertilizer and reaction to various home lawn conditions. Later, turfgrass problems of golf courses, cemeteries, public parks and other institutions will be studied.

The foundation invites individual memberships from homeowners, as well as organization memberships from garden clubs and others interested in turf problems. Information may be obtained from H. R. Kemmerer, 104 Floriculture building, University of Illinois, Urbana, Ill.



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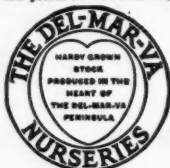
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2-yr., beds .....each, 15c  
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Varieties as follows: Beacon, 2 and 3-yr., Claret, 2 and 3-yr., Ethelwyn, 2-yr., Fashion, 2 and 3-yr., Flame, 2-yr., Gaiety, 2 and 3-yr., Glacier, 2 and 3-yr., Greeting, 2 and 3-yr., Herbert, 2 and 3-yr., Hinodegiri, 2-yr., Isabel, 2-yr., Kaempferi, 2 and 3-yr., Melanie, 2 and 3-yr., Remembrance, 2-yr., Rose Bud, 2-yr., Treasure, 2-yr., Macrantha, 2-yr., Sherwood Pink, 2 and 3-yr., Snow, 2 and 3-yr., Souvenir, 2 and 3-yr., Swan Song, 3-yr., Winner, 2 and 3-yr.

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Ilex crenata convexa  
3-yr. ....17½c  
2-yr. ....15c  
Ilex crenata helleri  
3-yr. ....17½c  
2-yr. ....15c  
Ilex crenata rotundifolia  
3-yr. ....17½c  
2-yr. ....15c  
Juniper, Armstrong, dwarf  
3-yr. ....25c  
2-yr. ....17½c  
Juniper, Hetz  
3-yr. ....25c  
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3-yr. ....20c  
2-yr. ....17½c  
Osmanthus aquifolium  
2-yr. ....15c  
Osmanthus fortunei  
2-yr. ....15c  
Taxus baccata repandens  
2-yr. ....27½c

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3-yr. ....22½c  
2-yr. ....17½c  
Taxus capitata  
3-yr., S. T. ....20c  
Taxus, Lynch, No. 1, dwarf spreading  
2-yr. ....30c  
Taxus, semiglobe  
2-yr. ....30c  
Taxus browni  
3-yr. ....22½c  
2-yr. ....17½c  
Taxus, Hatfield, upright  
2-yr. ....17½c  
Taxus hicksi  
3-yr. ....22½c  
2-yr. ....17½c  
Taxus, Vermeulen  
2-yr. ....17½c  
Thuja Occidentalis globosa  
3-yr. ....15c  
Thuja Occidentalis pyramidalis  
3-yr. ....15c  
Tsuga canadensis  
2-yr. ....25c

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| 2 to 4 ins., S. ....   | \$ 2.00 | \$ 10.00 |
| 3 to 6 ins., S. ....   | 3.00    | 17.00    |
| 6 to 9 ins., S. ....   | 5.00    | 30.00    |
| 9 to 12 ins., S. ....  | 9.00    | 70.00    |
| 12 to 18 ins., S. .... | 12.00   | 100.00   |

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LOVETT'S NURSERY, INC.  
LITTLE SILVER, N. J.

# Pennsylvanians Discuss Costs And Estimating At Pittsburgh

By Frank Curto

A regular meeting of the Pennsylvania Nurserymen's Association, Western region, was held at the Park Schenley restaurant, Thursday, March 3. In spite of the 10-inch snowfall that day, 47 members and guests were able to attend the meeting.

Herbert S. Hoechstetter, Hoechstetter's Nursery, Inc., Verona, gave a resume of the annual P. N. A. meeting, held at Philadelphia. In his concluding remarks he stated that every effort should be made by state congressmen to support the new \$350,000 shade tree laboratory. He said that the federal government does have a fully equipped laboratory, but at the moment funds for its operation have not been appropriated. A sum of \$250,000 has to be appropriated to staff and operate this laboratory. He urged that each member personally contact his congressman to further the project.

A discussion of costs and estimates on landscape jobs was the first item on the afternoon's program. It was said that every job estimate should be done on a professional level instead of being based merely on the number of plants, shrubs and square feet of lawn required. The personal needs and interests of the client should first be considered and the home grounds designed to fit these.

### Important Facts

When estimating a job, one should ask the following questions: 1. What has to be done? 2. What is wanted? 3. How can the results best be achieved? Other practices in estimating a job were listed as follows: Costs should be based on actual figures, not guesswork; the landscape project should be studied; a list of plant materials should be provided, and cost of any other associated material required should be determined, as well as the cost of labor.

Members were advised to include their overhead when figuring costs, to use as much mechanical equip-

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ment and other laborsaving devices as possible and to consider maintenance costs.

Robert J. Templeton, director of parks and recreation, city of Pittsburgh, addressed the group next. He gave detailed information on landscaping projects to be let out for bids during 1960. He supplemented his talk on the master plan for river and hillside projects with slides.

## Landscape Architect Talks

After dinner, John Simonds, Simonds & Simonds, well-known landscape architect, gave an informative and amusing talk on landscape architecture. His opening remarks concerned the feelings certain plants evoke in people. The Lombardy poplar, for example, is the exclamation point in a landscape, while oaks convey a feeling of sturdiness and boldness and weeping willows and other weeping forms evoke feelings of sadness. He stressed the importance of landscape architects of selecting the right size and shape of plants to produce the proper values in a landscape setting.

Mr. Simonds brought out again that the needs of a client must be given primary consideration when a landscape is designed. Elderly persons, he said, will probably prefer small spaces, with delicately textured and soft-colored plants. Children will require large open spaces in which to play, and colors should be bright, textures varied and plant material sturdy in these areas.

When one is planning a landscape, he should consider the over-all site rather than a single building, and the speaker explained how, with the proper use of plants, one can make a building appear larger or smaller than its actual size.

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|--------------|----------------------|-----------------------|-------------------------|-------------------------|----------------------|
| No. 1 .....  | \$0.60               | \$0.58                | \$0.56                  | \$0.55                  | \$0.54               |
| No. 1½ ..... | .50                  | .48                   | .46                     | .45                     | .44                  |

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French Auvergne, good color

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### Austrian Pine

3-yr., S., 8 to 12 ins. .... 35.00

### Norway Spruce

3-yr., S., 7 to 10 ins. .... 30.00

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|---|--|---------|----------|
| 2-yr., S., 2 to 4 ins.                                  |  | \$ 2.00 | \$ 10.00 |
| 2-yr., S., 4 to 8 ins.                                  |  | 4.00    | 20.00    |
| 3-yr., S., 8 to 14 ins.                                 |  | 4.00    | 20.00    |
| 3-yr., S., 10 to 18 ins.                                |  | 5.50    | 28.00    |
| French Scotch Pine                                      |  | 2.00    | 10.00    |
| 2-yr., S., 1 to 3 ins.                                  |  |         |          |
| 2-yr., S., 3 to 6 ins.                                  |  | 4.50    | 22.50    |
| 3-yr., S., 7 to 15 ins.                                 |  | 7.00    | 35.00    |
| (2-2), T., 5 to 8 ins.                                  |  | 8.00    | 40.00    |
| (2-2), T., 7 to 12 ins.                                 |  | 15.00   | 75.00    |
| Spanish Scotch Pine,<br>short needles                   |  | 2.00    | 10.00    |
| 2-yr., S., 1 to 3 ins.                                  |  |         |          |
| 2-yr., S., 3 to 6 ins.                                  |  | 4.50    | 22.50    |
| 3-yr., S., 6 to 13 ins.                                 |  | 7.00    | 35.00    |
| Scotch Pine   |  | 10.00   | 50.00    |
| (2-2), T., 5 to 10 ins.                                 |  |         |          |
| (2-2), T., 10 to 15 ins.                                |  | 15.00   | 75.00    |
| (2-2), T., 15 to 18 ins.                                |  | 25.00   | 125.00   |
| Austrian Pine   |  | 2.00    | 10.00    |
| 2-yr., S., 1 to 3 ins.                                  |  |         |          |
| 2-yr., S., 3 to 6 ins.                                  |  | 4.00    | 20.00    |
| 3-yr., S., 8 to 15 ins.                                 |  | 6.00    | 30.00    |
| Red Pine  |  | 3.00    | 15.00    |
| 2-yr., S., 2 to 4 ins.                                  |  |         |          |
| 3-yr., S., 5 to 10 ins.                                 |  | 5.00    | 25.00    |
| White Pine  |  | 2.00    | 10.00    |
| 2-yr., S., 1 to 2 ins.                                  |  |         |          |
| 2-yr., S., 3 to 4 ins.                                  |  | 3.00    | 15.00    |
| Mugho Pine, true dwarf                                  |  | 7.00    | 35.00    |
| 3-yr., S., 1 to 3 in.<br>spread or height.              |  |         |          |
| (2-2), T., 3 to 6 in.<br>spread or height,<br>25c each  |  |         |          |
| (2-2), T., 6 to 12 in.<br>spread or height,<br>50c each |  |         |          |
| Colorado Blue Spruce                                    |  | 2.50    | 12.50    |
| 3-yr., S., 3 to 4 ins.                                  |  |         |          |
| 3-yr., S., 4 to 8 ins.                                  |  | 7.00    | 35.00    |
| 4-yr., S., 6 to 12 ins.                                 |  | 10.00   | 50.00    |
| 4-yr., S., 10 to 16 ins.                                |  | 17.00   | 85.00    |
| (3-1), T., 3 to 6 ins.                                  |  | 8.00    | 40.00    |
| (3-1), T., 6 to 10 ins.                                 |  | 17.00   | 85.00    |
| (3-1), T., 8 to 12 ins.                                 |  | 25.00   | 125.00   |
| (2-2), T., 4 to 8 ins.                                  |  | 15.00   | 75.00    |
| (2-2), T., 8 to 12 ins.                                 |  | 30.00   | 150.00   |
| (2-2), T., 12 to 15 ins.                                |  | 50.00   | 250.00   |
| Norway Spruce   |  | 2.00    | 10.00    |
| 2-yr., S., 2 to 4 ins.                                  |  |         |          |
| 2-yr., S., 4 to 8 ins.                                  |  | 4.00    | 20.00    |
| 3-yr., S., 5 to 10 ins.                                 |  | 6.00    | 30.00    |
| 3-yr., S., 8 to 14 ins.                                 |  | 8.00    | 40.00    |
| (2-2), T., 3 to 6 ins.                                  |  | 8.00    | 40.00    |
| (2-2), T., 6 to 10 ins.                                 |  | 13.00   | 65.00    |
| (3-2), T., 10 to 16 ins.                                |  | 25.00   | 125.00   |
| White Spruce  |  | 2.50    | 12.50    |
| 3-yr., S., 2 to 4 ins.                                  |  |         |          |
| 3-yr., S., 4 to 8 ins.                                  |  | 5.00    | 25.00    |
| (2-2), T., 4 to 8 ins.                                  |  | 10.00   | 50.00    |
| (2-2), T., 8 to 15 ins.                                 |  | 15.00   | 75.00    |
| (2-2), T., 15 to 20 ins.                                |  | 30.00   | 150.00   |
| Black Hills White Spruce                                |  | 2.50    | 12.50    |
| 3-yr., S., 1 to 3 ins.                                  |  |         |          |
| 3-yr., S., 3 to 6 ins.                                  |  | 5.00    | 25.00    |
| (2-2), T., 3 to 5 ins.                                  |  | 10.00   | 50.00    |
| (2-2), T., 5 to 10 ins.                                 |  | 15.00   | 75.00    |
| Douglas Fir, glauca                                     |  | 3.00    | 15.00    |
| 3-yr., S., 1 to 3 ins.                                  |  |         |          |
| 3-yr., S., 3 to 8 ins.                                  |  | 7.00    | 35.00    |
| 4-yr., S., 5 to 10 ins.                                 |  | 9.00    | 45.00    |
| 4-yr., S., 8 to 13 ins.                                 |  | 15.00   | 75.00    |
| (2-2), T., 3 to 7 ins.                                  |  | 10.00   | 50.00    |
| (2-2), T., 7 to 12 ins.                                 |  | 20.00   | 100.00   |
| Concolor Fir  |  | 3.00    | 15.00    |
| 2-yr., S., 2 to 4 ins.                                  |  |         |          |
| 3-yr., S., 4 to 8 ins.                                  |  | 11.00   | 55.00    |
| Balsam Fir  |  | 3.00    | 15.00    |
| 2-yr., S., 1 to 2 ins.                                  |  |         |          |
| 3-yr., S., 2 to 4 ins.                                  |  | 6.00    | 30.00    |
| (2-2), T., 3 to 5 ins.                                  |  | 12.50   | 62.50    |
| American Arborvitae                                     |  | 4.00    | 20.00    |
| 3-yr., S., 2 to 5 ins.                                  |  |         |          |
| Juniperus virginiana                                    |  | 4.00    | 20.00    |
| 3-yr., S., 2 to 6 ins.                                  |  |         |          |
| (2-2), T., 10 to 15 ins.,<br>25c each                   |  |         |          |
| Juniperus communis<br>depressa, from seed               |  | 4.00    | 20.00    |
| (2-2), T., 8 to 14 ins.,<br>25c each                    |  |         |          |

Cash or 25% deposit. Balance C.O.D.  
500 at 1000 rate.

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ROOTSPRED TREE PLANTER

## Landscape Men Air Problems and Offer Solutions

"The Members Speak Up," a question-and-answer discussion period, was one of the highlights of the program presented by the National Landscape Nurserymen's Association at its midwinter conference, held January 10 at the Hotel La Salle, Chicago, Ill. A report of the conference appeared in the February 1 issue of the American Nurseryman.

Moderated by Harold Parnham, Robinson & Parnham, Des Moines, Ia., the period opened with a query on handling telephone calls and appointments. One member stated that his company employs a girl to answer the telephone and make appointments. She screens the calls so that appointments are made only for work that is done by the company. The various salesmen let her know each day how many appointments they can handle. She then tries to make the appointment for a specific day or for a morning or afternoon. If the customer wishes a more specific time, the girl first tries to arrange it between 10 a. m. and 12 noon. Failing in this, she sets a definite hour.

Politeness in answering a telephone was stressed. It was concluded that the public dislikes recording devices, but it was pointed out that these are better than nothing.

The next question was, "What is a fair salary to pay a graduate in landscape ornamental horticulture who has had no practical experience?" It was concluded that \$5,000 would be an adequate amount. It was stated by a nurseryman that it takes one to two years before the student is worth anything to the firm. Graduate students are good at design, but are lacking in practical experience.

### Commission Plans

A question was next asked on whether a commission is paid to a salesman on just the plants he sells or on the seeds, grading work and other related items. Most of the nurserymen said that a commission is paid on the entire job. The costs involved are known well enough so that the prices charged will compensate for the commission being paid. One nurseryman stated that a full commission is paid on jobs which include only plants, but only one-half of the regular commission is

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| Austrian Hill Strain       |  |         |          |
| 3-yr., S., 8 to 16 ins.    |  | \$ 5.00 | \$ 25.00 |
| 2-yr., S., 4 to 8 ins.     |  | 4.00    | 16.00    |
| 2-yr., S., 4 to 6 ins.     |  | 3.00    | 14.00    |
| 2-yr., S., 2 to 4 ins.     |  | 2.50    | 6.00     |
| Scotch Pine—French Strain  |  | 5.00    | 25.00    |
| 3-yr., S., 6 to 12 ins.    |  |         |          |
| 3-yr., S., 3 to 5 ins.     |  | 3.50    | 18.00    |
| 2-yr., S., 3 to 6 ins.     |  | 3.00    | 15.00    |
| Austrian Pine              |  | 4.00    | 17.50    |
| 2-yr., S., 4 to 8 ins.     |  |         |          |
| 3-yr., S., 5 to 10 ins.    |  | 5.00    | 27.50    |
| Colorado Blue Spruce       |  | 4.00    | 25.00    |
| (2-0), 2-yr., 2 to 6 ins.  |  |         |          |
| (2-1), 3-yr., 3 to 6 ins.  |  | 7.50    | 50.00    |
| (2-2), 4-yr., 5 to 10 ins. |  | 12.00   | 80.00    |
| Norway Spruce              |  | 2.50    | 15.00    |
| (2-0), 2-yr., 2 to 3 ins.  |  |         |          |
| (2-0), 2-yr., 3 to 5 ins.  |  | 4.00    | 25.00    |
| (2-1), 3-yr., 4 to 7 ins.  |  | 6.00    | 40.00    |
| (2-2), 4-yr., 8 to 15 ins. |  | 9.00    | 60.00    |
| Hemlock                    |  | 12.00   | 100.00   |
| 4-yr., T.                  |  |         |          |

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## CANADIAN HEMLOCK and BALSAM FIR Northern-Grown

|                   |  | Per 100 | Per 1000 |
|-------------------|--|---------|----------|
| 3 to 6 ins., S.   |  | \$ 3.00 | \$ 17.50 |
| 6 to 9 ins., S.   |  | 5.00    | 30.00    |
| 9 to 12 ins., S.  |  | 9.00    | 70.00    |
| 12 to 18 ins., S. |  | 12.50   | 100.00   |
| 18 to 24 ins., S. |  | 30.00   | 300.00   |

Freshly collected. Well rooted. Puddled and packed in sphagnum moss. Catalog of plants, ferns, evergreens on request.

WILLIAM GROSBY HORSFORD  
Charlotte, Vt.

### SHADE TREES—ORNAMENTALS

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paid on other items. Another nurseryman who had salesmen doing selling only, not supervisory work, said that his firm pays a 5 per cent commission on residential landscaping, 2 per cent on commercial work and 1 per cent on highway landscaping. His firm has potential salesmen accompanying planting crews for six months to a year before they do any selling, so that they can see how jobs are handled.

Injecting a different subject, one nurseryman said that not enough follow-up work on jobs already performed is done. His firm checks back on jobs completed over the past six months, and the salesman who sold the job sends out a post card a week before, telling the homeowner that he will inspect the job and answer any questions which the customer has. This creates much good will and is proving beneficial.

"What is being done about replacements?" was another question presented. In Iowa and Minnesota one-half price replacements were prevalent. Another nurseryman stated that he has found successful a 30-day guarantee on plant material and a one-season guarantee on shade trees, providing the nursery is notified of a problem.

Another nurseryman stated that in his location much difficulty was encountered, as trees planted out were being damaged by borers. When planting the trees, the nursery applied material to prevent borer damage and gave additional material to the customer to make two more applications at a later date. The customer was charged retail price for all this material.

### NURSERY EQUIPMENT

Nursery equipment adapted or devised for use in state tree seedling nurseries is described in the short articles that make up the October, 1959, issue of Tree Planters' Notes, a publication issued for nurserymen and planters of forests and shelterbelts by the forest service of the United States Department of Agriculture, a 32-page planographed pamphlet with numerous sketches and illustrations.

PLANNING to open a nursery is Ronald Kuhn, Bowling Green, O., a practicing schoolteacher who has been doing landscape and nursery work on a limited scale.

ADDED recently to the Rose City Nursery, Maiden, N. C., was a new garden center, housed in a modern building and lath house.

## SHRUBS! SHRUBS! SHRUBS!

These are some of the selections from our list, which you should send for if you are not already receiving it.

|  | Each   | Each    |                       | Each   | Each    |
|--|--------|---------|-----------------------|--------|---------|
|  | Per 10 | Per 100 |                       | Per 10 | Per 100 |
| <b>BARBERRY</b>                            |        |         | <b>PHILADELPHUS</b>   |        |         |
| Green (thunbergi)                          |        |         | Virginalis            |        |         |
| 12 to 15 ins. ....                         | \$0.23 | \$0.21  | 2 to 3 ft. ....       | \$0.40 | \$0.30  |
| <b>Red-Leaved (thunbergi atropurpurea)</b> |        |         | 12 to 18 ins. ....    | .28    | .24     |
| 12 to 15 ins. ....                         | .22    | .20     | <b>Enchantment</b>    |        |         |
| <b>COTINUS COGGYGRIA</b>                   |        |         | 2 to 3 ft. ....       | .60    |         |
| (Smoke Bush)                               |        |         | 18 to 24 ins. ....    | .40    | .35     |
| <b>Atropurpurea</b> , 2-yr., from selected |        |         | 12 to 18 ins. ....    | .30    | .25     |
| red-leaved seedlings                       |        |         | <b>PRIVET</b>         |        |         |
| 12 to 18 ins. ....                         | .60    | .55     | California            |        |         |
| <b>DEUTZIA</b>                             |        |         | 2 to 3 ft. ....       | .17    | .15     |
| Gracilis rosea                             |        |         | 18 to 24 ins. ....    | .14    | .12     |
| 12 to 15 ins. ....                         | .34    | .30     | 12 to 18 ins. ....    | .09    | .08     |
| <b>Lemoine</b>                             |        |         | <b>Regel's</b>        |        |         |
| 2 to 3 ft. ....                            | .38    | .34     | 18 to 24 ins. ....    | .30    | .27     |
| <b>EUONYMUS</b>                            |        |         | 15 to 18 ins. ....    | .25    | .22     |
| Radicans                                   |        |         | <b>SPIRAEA</b>        |        |         |
| 18 to 24 ins. ....                         | .65    | .60     | Anthony Waterer       |        |         |
| 15 to 18 ins. ....                         | .60    | .55     | 15 to 18 ins. ....    | .35    | .31     |
| 12 to 15 ins. ....                         | .50    | .45     | <b>Freibeli</b>       |        |         |
| <b>FORSYTHIA</b>                           |        |         | 2 to 3 ft. ....       | .30    | .26     |
| Spectabilis                                |        |         | 18 to 24 ins. ....    | .28    | .24     |
| 2 to 3 ft. ....                            | .33    | .29     | <b>WEIGELA</b>        |        |         |
| 18 to 24 ins. ....                         | .28    | .24     | Eva Rathke            |        |         |
| <b>HYDRANGEA</b>                           |        |         | 2 to 3 ft. ....       | .40    | .36     |
| Nikko                                      |        |         | 18 to 24 ins. ....    | .34    | .30     |
| No. 1 ....                                 | .48    | .44     | 12 to 18 ins. ....    | .30    | .26     |
|  |        |         | <b>Variegata nana</b> |        |         |
|  |        |         | 15 to 18 ins. ....    | .35    | .30     |

## CONGDON'S WHOLESALE NURSERY

North Collins, N. Y.

## JAPANESE RED MAPLES

Field-grown, grafted Japanese Red Maples, well-pruned, very bushy plants. Your inspection invited.

|                    | Bare Root | B&B    |
|--------------------|-----------|--------|
|                    | Each      | Each   |
| 9 to 12 ins. ....  | \$1.60    | \$1.92 |
| 12 to 15 ins. .... | 2.20      | 2.64   |
| 15 to 18 ins. .... | 2.70      | 3.24   |
| 18 to 24 ins. .... | 3.30      | 3.96   |
| 24 to 30 ins. .... |           | 5.28   |
| 30 to 36 ins. .... |           | 6.96   |

Packing at cost. Nursery pickup only on balled and burlapped stock.

### GORTON'S NURSERY

7486 E. Lake Rd.

Erie, Pa.

## MAXWELL, BOWDEN AND RICE, INC.

Growers of Fine Nursery Stock

WHOLESALE ONLY

Roses — Shrubs — Fruit Trees — Ornamentals — Vines — Hedge

Geneva, N. Y. — Phone: 8131

## TAXUS CAPITATA LINERS

From Seed

|                            | Per     | Per      |
|----------------------------|---------|----------|
|                            | 100     | 1000     |
| 6-yr., heavy, XXX,         |         |          |
| 15 to 18 ins. ....         | \$85.00 | \$800.00 |
| 5-yr., heavy, XX,          |         |          |
| 12 to 15 ins. ....         | 65.00   | 600.00   |
| 4-yr., XX, 10 to 12 ins. . | 40.00   | 350.00   |
| 4-yr., XX, 12 to 14 ins. . | 45.00   | 400.00   |

Pickup at nursery.

### HILLSIDE NURSERY

631 Main St.

Cromwell, Conn.

## TAXUS CAPITATA

200 4 to 6 ft., heavy, sheared

### HASBROUCK FLORIST & NURSERY

New Paltz, N. Y.

At Exit 18, N. Y. S. Thruway

# Upper Michigan Program on Street Trees and Landscaping

By Herman Berg

The fifth annual conference of the Upper Peninsula Nursery and Landscape Association was held at the Manistique motel, at Manistique, Mich., February 25 and 26.

## Elect Officers

At a business meeting the final afternoon of the conference, the following officers were elected: Max H. Muelle, Meadowbrook Nursery, Marquette, president; Edward Coryell, Coryell Nurseries, Munising, vice-president, and William Bennett, Jr., grounds superintendent, Houghton Tech., Houghton, secretary-treasurer. Directors are Herman Berg, Berg's Nurseries, Iron Mountain; Leonard Walters, Valley Nursery & Landscaping, Manistique; Richard Lucke, Hiland Garden Sales, Daggett; Roland Peterson, Peterson Landscape Service, Escanaba, and Thomas McMeekan, forester, Michigan state highway department, Escanaba.

Roland Peterson, the president, opened the meeting with a message of welcome.

Joseph Cox, extension specialist in landscape architecture, Michigan State University, East Lansing, gave a talk and showed slides on "Landscape Design and Plant Material." Mr. Cox emphasized that landscaping should be done to accomplish over-all results. Practical problems must be taken into consideration. Angular design is becoming popular, he said. Natural vistas should be preserved and blended into the landscape plan.

Mr. Cox stated that basically there are 13 types of plant materials to be used. Representing some of these types are euonymus, viburnums, lonicera, pea shrubs, improved lilac types and flowering crab apples. Andorra and Bar Harbor junipers were suggested for heavy snow areas. Smaller trees are in scale with modern low houses. Hardiness is an important factor in the northern areas, where temperature, soil, wind and moisture supply all influence the landscape man's choice of materials.

## Landscape Trends

To reach the average homeowner, landscape clinics have become popular with nurserymen. Good designs of yesterday are commonplace today. Unique features mark the new

styles; character plants, with outstanding branch formation and color, are in demand. An interesting discussion was held, with Herman Berg acting as moderator and Mr. Cox answering questions.

## Talk on Malls

Richard D. Duke, urban planner, institute of community development, Michigan State University, gave a talk and showed slides on American and European city mall plantings and parks, explaining the use of flowers, shrubs, trees, evergreens, planters, artistic stone pavements, water fountains and statues. These designs varied, according to nationalities, politics, religious faiths, etc., and added greatly to the appearance and pleasantness of their areas.

Mr. Duke took part in a panel discussion after the talk, and considerable interest was shown regarding city landscaping projects.

A banquet was held in the evening, with Harold D. Hicks, manager of

Cottage Gardens, Lansing, Mich., as guest speaker. Mr. Hicks showed colored slides of shade trees for modern landscaping, emphasizing the flowering crab apples and other small trees. Max H. Muelle then led a panel discussion on trees.

## Tells Street Tree Program

Friday morning, Robert Clayton, recreation specialist, United States forest service, Escanaba, talked on "A City Street Tree Program." Mr. Clayton, who was formerly city forester of Escanaba, stated that the city had about 1,000 trees on its streets. It held authority regarding what trees to plant and necessary pruning, spraying and removal of diseased, broken or undesirable trees. Box elders, poplars and soft maples were removed from the streets as much as possible.

In tree planting, it was found preferable to plant one variety on a street or in a given area, as such plantings were easier to maintain and looked better. Trees two to two and one-half inches in diameter were found most desirable for street or park planting. Branches were trimmed up to an average height of 10 feet, to allow passage for pedestrians, cars and trucks. Spraying was done about twice a year, mostly for

## TAXUS

2-yr., T.

|                   |             |
|-------------------|-------------|
| Browni            | Densiformis |
| Halloran          | Hicksi      |
| Moon's columnaris |             |
| Thayerae          | Wardi       |

**Taxus cuspidata capitata**  
2-yr., S.

Send for list.

## VERKADE'S NURSERIES

P. O. Box 336  
New London, Conn.

## DWARF APPLES

2-yr. on Malling I-VII-IX

|                     |                    |
|---------------------|--------------------|
| 11/16-in. cal. .... | Per 100            |
| 9/16-in. cal. ....  | \$150.00           |
|                     | 125.00             |
| Cortland            | Red Delicious      |
| McIntosh Rogers     | Yellow Delicious   |
| Northern Spy        | Yellow Transparent |

Dwarf 5-N-1 on Malling VII  
\$200.00 per 100

New Spring Trade List now ready.

## BROWN BROS. CO.

East Rochester, N. Y.  
"Our 75th Year"

## BLOODGOOD NURSERIES

Dept. American Nursery Co.  
R. D. 1 Doylestown, Pa.

Established 1790

Landscape Material

Acer platanoides (Norway Maple)

|                     | Each    | Per 10  | Per 100 |
|---------------------|---------|---------|---------|
| 1 1/4-in. cal. .... | \$ 4.50 | \$ 3.25 | \$3.00  |
| 1 1/2-in. cal. .... | 7.00    | 5.50    | 5.00    |
| 1 3/4-in. cal. .... | 9.50    | 8.00    | 7.00    |
| 2-in. cal. ....     | 12.50   | 10.00   | 9.00    |

Serving the Wholesale Trade

## EVERGREENS

300 acres of choice Evergreens

ready for immediate resale

Write for list.

**GARDNER'S NURSERIES, Inc.**  
ROCKY HILL, CONN.

## TREE PEONIES

Ready to Pot for Spring Sales  
Ask for Wholesale Price List

**VANDER POL TREE PEONY GARDENS**

Fairhaven, Mass.

## LINING-OUT STOCK

Seedlings, Rooted Cuttings  
and Transplants

Write for list.

**LEGHORN'S EVERGREEN NURSERY CO., INC.**  
50 Geer St. Cromwell, Conn.

# B A R G A I N S

## In Lining-out Stock

We have not raised the price of most of our small plants in years, but the price of landscape stock is steadily advancing. Plant some of our items now and make yourself some real money.

### HARDY AZALEAS

All azaleas are 2 to 3-yr. transplants, branched, and carry a small ball of soil.

**AZALEA AMOENA.** Very hardy evergreen foliage which turns rich bronze in winter. Semidouble, purple flowers. 4 to 6 ins. ....\$15.00 per 100

**AZALEA JAPONICA.** Very hardy. Wide range of color. Red, pink, yellow, etc. Deciduous. 6 to 8 ins., T. ....\$25.00 per 100

**AZALEA KÄMPFERI.** Seedlings (Japanese seed). Tall-growing, large flowers in various shades of pink and red. Flowers profusely; blooms when evergreen types fall. Deciduous. 4 to 6 ins., T. ....\$15.00 per 100

**AZALEA SCHLIPPENBACHI.** Considered by many the best azalea of all. Very large pink flowers; very large leaves which turn pink in fall. Deciduous. 4 to 6 ins., T. heavy. ....\$25.00 per 100

**AZALEA WHITE.** Evergreen. Large flowers with a pink blush in throat, similar to but much harder than Azalea Indica Alba. 4 to 8 ins., T. ....\$15.00 per 100

### AZALEA KURUME

Very hardy. Will stand 19 degrees below zero. Gives a great variety of color and types, from choice whites to orchids. Deepest pinks and reds. 2-yr., T., 4 to 8 ins. ....\$15.00 per 100

### AZALEA HINODEGIRI

Brilliant Red 2-yr., T., 3 to 6 ins., br. ....\$15.00 per 100  
Each plant carries a nice ball of soil.

### LEUCOTHOE CATESBAEI

A good broad-leaved evergreen that grows in dense shade. Lily-of-the-Valley like flowers, reddish-bronze foliage in winter. Contrasts well with Azaleas and Rhododendrons. Fine for flower arrangements. Each 6 to 8 ins., T. ....20c  
8 to 10 ins., T. ....25c

### EUONYMUS ALATUS

Cork Bark Euonymus  
Interesting corklike wings on branches. Red berries, foliage turns bright rose-pink in fall. Really spectacular then. 6 to 9 ins., T. ....\$10.00 per 100  
10 to 12 ins., T. ....15.00 per 100

### PIERIS JAPONICA

The most beautiful broad-leaved evergreen of all. In summer the color of the foliage is always changing, first red, then pale green and then dark green. In August the flower buds form in graceful racemes for next spring's flowers. White Lily-of-the-Valley flowers appear with the first warm weather, and flowers often last 6 weeks. Grows well in sun or shade. Makes a nice contrast with Azaleas and Rhododendrons.

As far as we know, no nursery has ever had too much *Pieris japonica*. We had over 10,000 18 to 36-in. plants a few years ago, and today we are so oversold on it that we cannot maintain a stock of 1,000 12 to 15-in. plants. It sells on sight and transplants easily at almost any time of the year. It grows rapidly into salable sizes. Can be used in any kind of planting. Can be transplanted into beds now. Each plant carries a nice ball of soil. 4 to 6 ins., T. ....\$15.00 per 100  
6 to 8 ins., T. ....20.00 per 100

### ILEX CRENATA CONVEXA

(Hex Bullata)

Owing to our unusual success in propagating this desirable item, we offer it at a very low price. Over 150,000 in stock. It is a very choice, very hardy, low-growing evergreen with shiny, dark green, convex, boxwood-like leaves. Grows fast into money, up to 2 feet, and there slows down. Ultimate size 3 feet high and 4 feet wide. Easier to grow than Yews and can be used in sun or shade. Sells on sight. Grows very dense and contrasts well with other evergreens. Makes the perfect low hedge. Each 6 to 8 ins., 2-yr., T. ....15c  
8 to 10 ins., 2-yr., T. ....20c

### ENKIANTHUS CAMPANULATUS

Can be transplanted into beds now. For those desiring a different kind of plant for the shrub border or ericaceous plantings, we recommend *Enkianthus campanulatus*. Red stems, dark green leaves, cream to pink bell-like flowers that are useful for flower arrangements and a scarlet fall foliage. 4 to 8 ins., TT. ....\$15.00 per 100

Send for list of rare plants.

### VIBURNUM AMERICANUM

White flowers. Quantities of red berries. 10 to 12 ins., T. ....\$7.50 per 100

### JAPANESE BOXWOOD

*Buxus japonica* is a little-appreciated evergreen because it is not well enough known. It grows fast up to 3 ft., shears well and can easily be kept at any size. Its light green, glossy leaves contrast well with other evergreens, and it will grow in sun or deepest shade—very hardy. 6 to 8 ins., 2-yr., T. ....\$10.00 per 100

### AMERICAN BOXWOOD

Each 4 to 6 ins., T. ....10c  
6 to 8 ins., T. ....15c

### ENGLISH BOXWOOD

Part of the charm of many old gardens is produced by the edgings of Old English Boxwood. Plant some in a bed 6 x 8 ins. and in a couple of years you will have a stock for your customers. Its appeal is irresistible. It can be transplanted now. 3 to 4 ins., T. ....\$10.00 per 100

### TAXUS TRANSPLANTS

Each 6 to 8 ins. ....20c  
Cuspidata .....20c  
Media browni .....20c  
Media hicksii .....25c

### CHINESE MAGNOLIAS

All on own roots

*Soulangeana*, pink; *sonlangiana nigra*, dark purplish-pink; *rustica rubra*, pink; *alba superba*, white; *Pink Superba*, pink; *lennel*, good pink; *stellata* (Star Magnolia), smidouble pure white; *alexandrina*, large, late pink. All 2-yr., 12 to 18 ins. and on own roots, 75c each. Minimum order, \$ of one kind.

## ALANWOLD NURSERY

### Neshaminy, Bucks Co., Pa.

aphis. Mr. Clayton did not recommend a dormant oil spray on maples, as it caused considerable injury.

The average tree planting interval was about 40 feet. A hole three feet in diameter and two feet deep and good soil with humus were ideal for planting trees two to two and one-half inches in diameter. The cost was divided equally between the city and property owner. The discussion with Mr. Clayton was moderated by Thomas McMeekan.

Arthur Bloomer, plant inspector for the Michigan department of agriculture, Escanaba, discussed plant diseases and insect controls. There was considerable comment regarding the public's taking uninspected plants from the woods, without the permission of the property owner. This is

a large problem in northern areas of the state. The association felt that more information regarding official inspection of native plant removals should be given by the inspection department to newspapers, radio stations and the state extension departments.

A summer meeting will be held at Munising in July, when a boat trip to Pictured Rocks on Lake Superior is planned. Munising is considered one of the most picturesque areas in the north country. Iron Mountain was chosen for the 1961 winter meeting.

EDWARD J. MURRAY is establishing a landscape gardening business at 256 Stow avenue, Troy, N. Y.

### PENNSYLVANIA CONFERENCE

[Continued from page 14]

will also thrive under woodland conditions. Flowers last only a few days, but the blue-black fruits are good. Autumn foliage exhibits a bright color.

*V. dilatatum*—Excellent for long-lasting fall fruit. Several clones are desirable, among which are *xanthocarpum*, with yellow fruit; *Moraine* and *Improved Vermeulen*, with large fruit.

*V. wrightii*—Not true in the trade. The true form differs from *dilatatum* in that its twigs, buds and leaves are glabrous, or nearly so, but those of *dilatatum* are hairy.

*V. opulus*—Has bright red fruit but is subject to disfigurement of foliage by aphid. Several forms are



## TAXUS — YEW

Rooted cuttings are available from May on. 300 at 1000 rate. Minimum of 50 of each variety at the 1000 rate.

|  | Each   | Each   | Each   |
|--|--------|--------|--------|
|  | Per    | Per    | Per    |
|  | 10     | 100    | 1000   |
| <b>Media kelseyi</b> (Kelsey Berrybush Yew)      |        |        |        |
| R. C., 4 to 6 ins.....                           | \$0.10 | \$0.07 | \$0.06 |
| R. C., 6 to 8 ins.....                           | .11    | .08    | .07    |
| <b>Media hicksii</b> (Hicks' Anglojap Yew)       |        |        |        |
| R. C., 4 to 6 ins.....                           | .10    | .07    | .06    |
| R. C., 6 to 8 ins.....                           | .11    | .08    | .07    |
| <b>Media hatfieldi</b> (Hatfield Anglojap Yew)   |        |        |        |
| R. C., 4 to 6 ins.....                           | .10    | .07    | .06    |
| R. C., 6 to 8 ins.....                           | .11    | .08    | .07    |
| <b>Media browni</b> (Brown's Anglojap Yew)       |        |        |        |
| R. C., 4 to 6 ins.....                           | .10    | .07    | .06    |
| R. C., 6 to 8 ins.....                           | .11    | .08    | .07    |
| <b>Cuspidata</b> (Spreading Japanese Yew)        |        |        |        |
| R. C., 6 to 8 ins.....                           | .11    | .08    | .07    |
| <b>Vermeulen</b> (Vermeulen Yew)                 |        |        |        |
| R. C., 4 to 6 ins.....                           | .10    | .07    | .06    |
| R. C., 6 to 8 ins.....                           | .11    | .08    | .07    |
| <b>Intermedia</b> , spreading type               |        |        |        |
| R. C., 4 to 6 ins.....                           | .10    | .07    | .06    |
| R. C., 6 to 8 ins.....                           | .11    | .08    | .07    |
| <b>Densiformis</b> (Dense Japanese Yew)          |        |        |        |
| R. C., 4 to 6 ins.....                           | .11    | .08    | .07    |
| R. C., 6 to 8 ins.....                           | .12    | .09    | .08    |
| <b>Baccata repandens</b> (Spreading English Yew) |        |        |        |
| R. C., 6 to 8 ins.....                           | .11    | .08    | .07    |

## JUNIPER

|                        |     |     |     |
|------------------------|-----|-----|-----|
| <b>Hetzl glauca</b>    |     |     |     |
| R. C., 6 to 8 ins..... | .11 | .09 | ... |

## TAXUS TRANSPLANTS

Available in spring. 300 at 1000 rate. Minimum of 50 of each variety at 1000 rate.

|                              | Each   | Each   | Each   |
|------------------------------|--------|--------|--------|
|                              | Per    | Per    | Per    |
|                              | 10     | 100    | 1000   |
| <b>Media browni</b>          |        |        |        |
| 1-yr., X, 6 to 8 ins.....    | \$0.17 | \$0.13 | ...    |
| <b>Cuspidata</b>             |        |        |        |
| 1-yr., X, 4 to 6 ins....     | .15    | .11    | ...    |
| 1-yr., X, 6 to 8 ins....     | .17    | .13    | ...    |
| 2-yr., XX, 8 to 10 ins..     | .13    | .25    | \$0.22 |
| 3-yr., XX, 12 to 18 ins..    | .40    | .35    | .32    |
| <b>Cuspidata densiformis</b> |        |        |        |
| 1-yr., X, 4 to 6 ins....     | .16    | .12    | ...    |
| <b>Media hatfieldi</b>       |        |        |        |
| 1-yr., X, 6 to 8 ins....     | .17    | .13    | ...    |
| 1-yr., X, 8 to 10 ins....    | .20    | .15    | .14    |
| 2-yr., XX, 6 to 8 ins....    | .25    | .20    | .17    |
| 2-yr., XX, 8 to 10 ins..     | .30    | .25    | .22    |
| 3-yr., XX, 8 to 12 ins..     | .35    | .30    | .26    |
| 3-yr., XX, 12 to 14 ins..    | .40    | .35    | .32    |
| <b>Media hicksii</b>         |        |        |        |
| 1-yr., X, 4 to 6 ins....     | .15    | .11    | .10    |
| 1-yr., X, 6 to 8 ins....     | .17    | .13    | .12    |
| 2-yr., XX, 4 to 6 ins....    | .20    | .17    | ...    |
| 2-yr., XX, 8 to 10 ins..     | .30    | .25    | .22    |
| 3-yr., XX, 10 to 12 ins..    | .40    | .30    | ...    |
| <b>Cuspidata intermedia</b>  |        |        |        |
| 2-yr., XX, 4 to 6 ins....    | .20    | .17    | ...    |
| <b>Media kelseyi</b>         |        |        |        |
| 2-yr., XX, 4 to 6 ins....    | .20    | .17    | ...    |
| <b>Baccata repandens</b>     |        |        |        |
| 1-yr., X, 4 to 6 ins....     | .15    | .11    | ...    |
| 1-yr., X, 6 to 8 ins....     | .17    | .13    | .12    |
| <b>Cuspidata Vermeulen</b>   |        |        |        |
| 1-yr., X, 6 to 8 ins....     | .17    | .13    | .12    |
| 1-yr., X, 8 to 10 ins....    | .20    | .15    | .13    |
| 2-yr., XX, 4 to 6 ins....    | .20    | .17    | ...    |
| 2-yr., XX, 8 to 10 ins..     | .30    | .25    | ...    |

## JUNIPER

|                          |     |     |     |
|--------------------------|-----|-----|-----|
| <b>Hetzl glauca</b>      |     |     |     |
| 1-yr., X, 6 to 8 ins.... | .20 | .17 | .15 |
| <b>Pfitzeriana</b>       |     |     |     |
| 2-yr., XX, 8 to 10 ins.. | .25 | .23 | .20 |

TERMS AND CONDITIONS OF SALE: Packing is free when cash is sent with order. 25% cash with order, balance plus packing charges paid C.O.D.

Price List Sent on Request.

## WOODFERN NURSERY

Woodfern Rd.  
Neshanic Station, N. J.  
Phones:  
FOxcroft 9-4284-4108

worth considering: Xanthocarpum, with yellow fruit; nanum, a dwarf, three or four feet, seldom flowering and requiring considerable moisture; compactum, an intermediate dwarf that flowers and fruits.

V. sargentii—Similar to opulus but has purple anthers and leaves, with the middle lobe larger and longer than the side lobes. It is less subject to aphid attacks than opulus.

V. trilobum—The best of the cranberry type for fruiting. Good clones are Wentworth, with larger fruit, which can be used in making jelly, and compactum, dwarf and compact, which flowers and fruits freely.

### Making and Remaking Lawns

Joseph M. Duich, assistant professor of agronomy, spoke on "Renovating and Building Lawns." He said good lawns are no accident but the result of good planning and care. Poor lawns can be made better, but not without work. The soil must be good, for even good seed will not make a good lawn on poor soil.

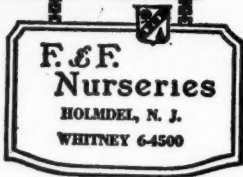
The seed is also important, and, although many kinds are available, there are only a few that need to be considered for good lawns in Pennsylvania. Kentucky bluegrass and red fescue give good results, and mixtures should contain from 70 to 80 per cent of these two. Rye, redtop and timothy start fast and may give a better cover the first year, but usually die out after two or three years.

Good new varieties are Merion bluegrass, resistant to leaf spot and tolerant to heat and light shade, and Pennsylvania red fescue, tolerant to leaf spot diseases and good in shade. Before selecting a new variety, one should determine that it is as good in all respects as existing types and better in at least one respect. It is best to check with the agricultural experiment station for reports on value. Colonial bent, which formerly was included in mixtures, is no longer recommended, because it usually contains seeds of the creeping type.


### Soil Preparation

Soil is a major factor in good lawns, with drainage, lime and fertilizer the important aspects. Drainage is the ability of the soil to allow water to drain through. Good lawn mixtures will not tolerate poor drainage and will not thrive on acid soil.

Application of lime is the best way to correct acidity. The quantity to be applied can be determined by tests, but in the absence of tests, 100 pounds to 1,000 square feet should be used. Raw ground limestone is as good as any and should be worked



**TAXUS**  
**F. & F. COMPACTA**  
**IN**  
**GOOD SUPPLY**



## SPRUCE

|  |        |
|--|--------|
| <b>Abies nordmanniana</b>                    | Each   |
| Outstanding dark evergreen.                  |        |
| Silvery-edged evergreen.                     |        |
| Grafts from 2 1/4-in. pots .....             | \$1.25 |
| <b>Picea pungens glauca Hoopsii</b> Sold Out |        |
| <b>Picea pungens glauca kosteriana</b>       |        |
| 2 1/2-in. pots .....                         | 1.00   |
| <b>Picea pungens glauca moerheimi</b>        |        |
| 2 1/2-in. pots .....                         | 1.00   |
| <b>Picea orientalis</b>                      |        |
| A magnificent evergreen.                     |        |
| Glossy green needles.                        |        |
| 2 1/4-in. pots .....                         | 1.25   |
| <b>Picea omorika</b> (Serbian Spruce)        |        |
| B. R. A beautiful ornamental.                |        |
| 10 to 15 ins., heavy .....                   | 1.25   |
| 18 to 24 ins., heavy .....                   | 2.50   |

Minimum order \$25.00. Packing at cost. F.O.B. New Jersey. Ask for complete price list.

## HOLLAND NURSERY PRODUCTS

P. O. Box 339  
Madison Square Station  
New York 10, N. Y.



When you look for Euonymus—  
LOOK for the EMERALD!  
CORLISS BROS., INC. Ipswich, Mass.

## ROOTED CUTTINGS

Taxus densiformis  
Taxus Moon's columnaris  
\$110.00 per 1000, ready in May.  
25,000 available.  
Wholesale Nursery Material  
**HERMITAGE GARDENS**  
Canastota, N. Y.  
Rt. 5

into the soil to a 5 or 6-inch depth. Lime will not take the place of fertilizers, although it will increase the efficiency of fertilizer use.

The three major elements, nitrogen, phosphorus and potassium, are the ones most likely to be lacking. One application of phosphorus and potash will probably last all year, unless the soil is sandy. Soluble nitrogen goes quickly, but organic forms, such as sludge, urea or nitroform, last longer.

It is essential to know what the fertilizer mixture contains. If all the nitrogen is in soluble form, the applications must be made more frequently in smaller amounts. A lawn needs about four to six pounds of nitrogen and two pounds of phosphorus and potassium per year per 100 square feet. With a mixture containing 20 to 50 per cent organic nitrogen, three applications per year should be sufficient. If the organic nitrogen content is less than 20 per cent, more applications will be needed.

When making a new lawn, if no soil test is available, one should use a 0-10-10 mixture at the rate of 50 pounds per 1,000 square feet and then apply 10 pounds of 10-10-10. It is best to use organic forms in seedbeds.

The correct quantity of seeds depends on the kind being used. Four to five pounds of fescue per 1,000 square feet is needed, but if bluegrass is present, the quantity can be cut in half. Seeds should not be covered more than one quarter of an inch. Firming should be done after seeding with a light roller, and then the entire area covered with straw or hay, one bale per 1,000 square feet. The mulch should be removed as soon as germination starts.

Bluegrass and fescue lawns should be mowed with the mower set at a minimum of one and one-quarter to one and one-half inches whenever the height reaches about two and one-quarter inches. One should never remove more than 25 per cent of the leaf surface at any one time. The danger with rotary mowers is that too much grass may be cut off at one time. Watering should be thorough. Enough water should be applied to soak down five or six inches every seven to 10 days.

Before starting a renovation program, it is wise for one to determine why the lawn failed. One can be fairly sure that weeds were not the cause but rather the result. One should determine if enough grass remains to make renovation feasible. If so, he should use weed killer to clear off weeds. The type of weeds

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**B&B**

**Field Liners**

**Potted Liners**

**Transplants**

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**100 acres of evergreens for sale**

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**Butler, Pa.**

## PACHYSANDRA

Terminalis (Japanese Spurge). The ideal permanent evergreen ground cover plant for shady and semi-shaded areas in all climates. Does well in sunny areas, too. Absolutely winter hardy in the most northern climates.

|   |         |             |                  |
|---|---------|-------------|------------------|
|   | Per 100 | Per 1000    | Per 1000 for     |
| Strong, well-rooted, 1-yr. plants; propagated | Prepaid | F.O.B. here | in same shipment |
| in soil and peat frames with light shade..... | \$6.50  | \$53.00     | \$49.00          |

Available for prompt shipment throughout the year. Shipments anywhere including Canada. GOOD PACKING FREE. A good source of supply.

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In varieties,  
certified for western shipment.

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**In Wide Assortment**

Acer atropurpureum Bloodgood, Azaleas, Berberis, Cornus florida rubra, Evergreens, Ilex, Magnolias, Hybrid Rhododendrons, Taxus, in variety, etc., in 1, 2 and 3-yr. transplants at competitive prices. Write for list on business stationery.

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Deerfield, N. J.

## SEEDLINGS & TRANSPLANTS

Pines, Spruces, Firs, Hemlocks, etc.

Write for new price list.

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Specialists in Coniferous and Broad-Leaved Evergreens, Shrubs and Trees.

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Splendid stock.

Write for Price List.

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MILFORD, DEL.

# ATTRACTIVE—Quality Price

**Taxus capitata**, 4 to 9 ft.  
Beautiful dark green pyramids.

**Cornus florida**, 6 to 12 ft.  
Specimens, well budded.

**Pinus strobus**, 5 to 12 ft.  
Bushy, compact, nice.

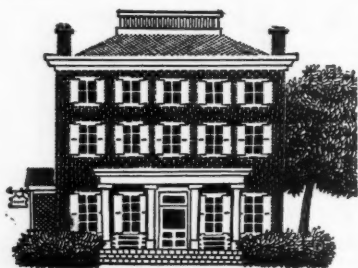
**Quercus palustris**, 4 to 7-in. cal.  
Nursery-grown, straight leaders.

**Viburnum carlesi**, 2 to 4 ft.  
Many flower buds, compact plants.

65 acres in wide variety. Established 40 years.

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Fine stock  
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Specializing in

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## CAROLINA HEMLOCK

Well-Sheared Specimens

|                  | Each   |
|------------------|--------|
| 2 to 2½ ft. .... | \$4.50 |
| 2½ to 3 ft. .... | 5.25   |
| 3 to 3½ ft. .... | 6.25   |
| 3½ to 4 ft. .... | 7.25   |
| 4 to 4½ ft. .... | 8.50   |
| 4½ to 5 ft. .... | 9.75   |

Canada Hemlock, to 7 ft.  
Named AMERICAN HOLLY Specimens  
3 to 5 ft., Individually Priced

## HEMLOCK HOLLOW NURSERY

R. D. 3 Wexford, Pa.  
Phone: WE 5-1009  
17 miles north of Pittsburgh.

present will determine the kind of herbicide to use.

Dead leaves and grass must be removed. Lime and fertilizer should be applied and worked in thoroughly. The seed is then applied, raked in and rolled. The seed must be in contact with the soil. The best time for renovation is early fall, because the grass has less competition at that time; late spring and early summer seedings are practically hopeless.

In the past it has been the practice to bring in four to six inches of topsoil as a bed for the lawn. At the present, topsoil is not available or else is of extremely poor quality. It is possible to modify existing soils (by adding peat and, if the soil is heavy, sand) to be better than available topsoils.

## Managing Labor

"Personnel Management and Human Relations" were discussed by M. E. John, head, department of agricultural economics and rural sociology. In working out labor problems, he said, one must have a clear understanding of what is wanted of the workers for the entire year. The responsibility should be divided between workers, with jobs that are similar in nature being grouped together.

The tasks should be organized so that the best travel efficiency can be secured. The person who is on the spot should be one who can do the job needed. If a man has to report each day to find out what he is to do, there is inefficiency. Each person should see the relation of his job to the problems of the company; this will help him to improve ways of doing his work.

Every worker must know precisely what his job is, so that he will be able to judge his performance; he should be told whether he has done well or not, and he must feel that his work is important to the business. It is demoralizing for a worker to feel he is marking time or just doing "made work" to be kept busy. Group performance is affected by the performance of each individual; thus one bad worker can affect the accomplishment of all.

## Stresses Need for Records

Ted Rabun, assistant professor of accounting, spoke on "Bookkeeping and Accounting," stressing the importance of records in the management of any business. With good records, one is able to judge the progress of the business, determine the distribution of profits, evaluate the progress of employees, establish credit rating, safeguard assets, pre-

## PYRACANTHA LALANDI

5-qt. oil can, staked.

|                    | Each   | Each   | Each    |
|--------------------|--------|--------|---------|
|                    | Per 10 | Per 50 | Per 100 |
| 18 to 24 ins. .... | \$1.50 | \$1.25 | \$1.00  |

## TAXUS CUSPIDATA

Heavy rooted, sheared Per 25

|                    | Per 10 | Per 50 | Per 100 |
|--------------------|--------|--------|---------|
| 8 to 12 ins. ....  | \$2.00 | \$1.75 |         |
| 12 to 18 ins. .... | 2.75   | 2.50   |         |
| 18 to 24 ins. .... | 4.00   | 3.75   |         |
| 24 to 30 ins. .... | 6.50   | 6.25   |         |

## AMERICAN ARBORVITAE

Heavy sheared Per 10 or more

|                 | Per 10 | Per 50 | Per 100 |
|-----------------|--------|--------|---------|
| 3 to 4 ft. .... | \$3.25 | \$3.00 | \$2.75  |
| 4 to 5 ft. .... | 4.25   | 4.00   | 3.75    |

## ANDORRA JUNIPER

(Plumosa depressa) Per 25

|                    | Per 10 | Per 50 | Per 100 |
|--------------------|--------|--------|---------|
| 12 to 15 ins. .... | \$1.65 | \$1.50 |         |
| 15 to 24 ins. .... | 2.75   | 2.50   |         |

## WAUKEGAN JUNIPER

Per 25

|                    | Per 10 | Per 50 | Per 100 |
|--------------------|--------|--------|---------|
| 12 to 15 ins. .... | \$1.50 | \$1.35 |         |
| 15 to 24 ins. .... | 2.50   | 2.25   |         |
| 24 to 30 ins. .... | 3.50   | 3.25   |         |

## BERBERIS JULIANAE

(Wintergreen Barberry) Per 25

|                    | Per 10 | Per 50 | Per 100 |
|--------------------|--------|--------|---------|
| 12 to 15 ins. .... | \$1.50 | \$1.25 |         |
| 15 to 18 ins. .... | 1.65   | 1.50   |         |
| 24 to 30 ins. .... | 4.25   |        |         |

Many other landscape items; send your want list. Sorry, no price list.

## SUMMIT PARK NURSERY

13 W. New Hempstead Rd.  
Spring Valley, N. Y.  
Phone: EL 6-1296

## SUGAR MAPLE

for

Streets—Parks—Forests

Long Life—Strength—Coloring

Collected. Nursery-Grown.

Any quantity available.

½ to 12-in. cal.

Beech, Ash, Red Maple, Red

Oak, Birch and Shadblow

also available.

## R. H. ROGERS NURSERY

COOPERSTOWN, N. Y.

## EVERGREEN SEEDLINGS

Large selection of

## PINE, SPRUCE and FIR

Most popular strains of Scotch Pine for Christmas tree planting.

All stock is top quality selected for superior plant hardiness, straightness and root structure.

Write for listing today.

## CARINO NURSERIES

Indiana, Pa.



pare accurate tax returns and set prices. Conclusive decisions, based on established facts, can only be made from adequate bookkeeping records.

In determining profit, it is not enough to consider total sales less cost of materials. There are fixed costs, or overhead, which must be added to cost of materials. To ignore these fixed costs over an extended period will mean trouble and perhaps business failure.

Owner records are very necessary and should be kept for a number of years. The exact time may vary, but for tax purposes one probably would need records for seven years or more. If records are kept, are they used to advantage? The following questions should be asked: Are they used to obtain periodic progress reports? Are the records used to chart the future? Have the present records been used to find weak spots? With proper use of records, better management practices will result.

"Growing and Handling Nursery Stock in Cans" was the topic discussed by Jack Hill, D. Hill Nursery Co., Dundee, Ill. He said measurements of profits are often inexact. Although the per cent of dollar sales can be a measurement, one must be more realistic in the construction of balance sheets in order to determine whether to continue practices.

#### Cost Analysis Helps

Cost analysis is most helpful in this regard. It is achieved by determining the actual cost, which is direct labor (all labor involved in production), plus indirect labor (the many tasks incidental to production, such as greasing tractors, etc.). When this cost is determined, one should apply a multiplication factor of 3 to 1 to arrive at a break-even price. For example, if the total labor cost of a product is \$1, one will break even if he sells it for \$3.

At Hill's, yardsticks of measurement are being gathered to establish standards. Before a new item is put into production, an estimation of the volume of sales is made. Then the yardstick of measurement is used. If the cost is more than the usual selling price for the item, it is not put into production. If the reverse is true, production is started quickly.

Container growing spreads the risks involved in production. Since the plants must be cared for more constantly, they are more expensive to produce, with labor constituting about 70 per cent of the production cost. Since the plants are grown more carefully, however, there is lower mortality and a higher number are

## ROSEBUSHES

### For Spring Sales

#### Quality

Properly grown, carefully dug and graded, stored under ideal conditions to bring your roses to you with the highest degree of vitality.

#### Service

Storage, in our new, modern, cold storage, until you want them, printed labels for each bush, growing helps, colored pictures, at cost, to help you sell.

#### Satisfaction

That you are supplying your customers the best available.

Write for your copy of our descriptive list and prices.

## Somerset Rose Nursery, Inc.

P. O. Box 608

New Brunswick, N. J.

### QUALITY LINERS

|  | Per 100 |
|--|---------|
| Douglas Fir, blue<br>5 to 12 ins., T. ....           | \$18.00 |
| Colorado Blue Spruce<br>5 to 10 ins., T. ....        | 20.00   |
| Canadian Hemlock<br>5 to 10 ins., T. ....            | 20.00   |
| Pink-Flowering Dogwood<br>10 to 15 ins., grafts .... | 75.00   |
| 15 to 24 ins., grafts ....                           | 85.00   |
| Send for New Spring List                             |         |

### POSSUM HOLLOW NURSERIES

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### QUALITY NURSERY STOCK

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Finest Quality

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Azaleas—both budded and lining-out stock—are our specialty. See our classified ads.

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Corfu, N. Y.

Phone: East Pembroke 6411  
Located Near Indian Falls

### ROSES

Central Pennsylvania Grown  
2-yr.-old, field-grown plants.  
Hybrid Teas—Floribundas—Climbers

### EVERGREENS

Landscape Material  
Twice transplanted, regularly sheared.  
Young, salable evergreens for cash-and-carry trade of garden shops, roadside markets and nurseries.

Write for wholesale price list.

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5 miles east of Harrisburg on U. S. Rt. 22, turn north at Inn 22, nursery 1 mile north of U. S. Rt. 22.

### "Treats Trees"

## TAXUS

Certified for western shipment.

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### FRUIT TREES

Dwarf and Standard

Send for Wholesale List

KELLY BROS. NURSERIES, INC.  
Dansville, N. Y.

### VIBURNUMS

#### DWARF BOX PRIVET

See classified advertisement for complete listings.

Ask for complete nursery list.

### MOSES NURSERIES

Lima, N. Y.

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7-yr.-old, strong, heavy plants, XXX, \$85.00 per 100.

**T. browni**, 18 to 24 ins.  
**T. henryi**, 18 to 24 ins.  
**T. hatfieldi**, 18 to 24 ins.  
**T. capitata**, 18 to 24 ins.  
 (Japanese Seed)

Free packing. Cash with order, please.

**BROOKFIELD GARDENS**  
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We need additional ground to clear for field expansion and can offer quantity buyers the following top-grade materials at attractive prices.

### **Thuja pyramidalis**

870 24 to 30 ins.  
 1201 30 to 36 ins.

### **Azalea kaempferi Fedora**

794 10 to 12 ins.  
 974 12 to 15 ins.  
 211 15 to 18 ins.  
 242 18 to 24 ins.

### **Ilex convexa bullata**

2907 8 to 10 ins.  
 440 10 to 12 ins.  
 1183 12 to 15 ins.

### **Thuja occidentalis elegantissima**

712 24 to 30 ins.  
 313 30 to 36 ins.

## RICKERT NURSERIES

Morrisville, Pa.  
 Phone: CYpress 5-4166

**S  
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D**

### **TREE and SHRUB**

Importers, collectors and dealers of tree and shrub seeds. Purchase by mail the easy way. Write for free price list.

### **FORESTRY ASSOCIATES**

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 P. O. Box 1069 Allentown, Pa.  
 Phone: HEMlock 4-5708

sold. This high percentage of harvesting is the real key to the benefits of container growing. Cans also enable more standardization in production and in use of labor.

There is an expanding market for 1-gallon container material. Containers lend themselves to the small-buyer market. Care should be taken to grow only the material that will sell, for surpluses are always a danger. The time may come when there is a clear division in the nursery industry between growers and sellers. Under the present situation, marketing is often difficult for the nurseryman who grows his own stock.

Stanley G. Gesell, associate professor of entomology extension, spoke on "Controlling Insects on Ornamental Plants." He said it is difficult to give an insect control program that will fit everyone's needs. It may be that some nurserymen are already having good success and are satisfied with their system. If so, he would not recommend a change.

### **General-Purpose Spray**

He gave an all-purpose program, which admittedly will not control everything, but which, if applied at the right times, will kill a wide range of insects with very low plant toxicity. The materials for this all-purpose spray are four pounds of 25 per cent malathion wettable powder plus two pounds of 50 per cent DDT wettable powder to 100 gallons of water. If less than 100 gallons of spray is desired, it can be mixed at the rate of four tablespoonfuls of malathion and two tablespoonfuls of DDT to one gallon of water.

The all-purpose spray should be applied three times a year—in southern Pennsylvania, on May 5 to 10, June 1 to 5 and July 1 to 5; in northern Pennsylvania, May 20 to 25, June 15 to 20 and July 10 to 15. Such a schedule will take care of most scales, aphids and chewing insects. There are certain scales that must be treated earlier and some caterpillars that must be controlled after July.

Such scales as juniper scale and pine-leaf scale as well as gall on maple can be controlled by lime-sulphur (10 gallons to 100 gallons of water) in the dormant season. Oil may cause plant injury. The summer all-purpose schedule will help control summer-hatching scales.

Late caterpillars may be controlled by DDT. One of the types becoming more severe in the last few years is mimosa webworm. It webs together the terminal leaves, which turn brown and become unsightly. There are three generations during the

## NURSERY STOCK

### **Red-leaved Barberry**

|                    | Per 100 | Per 1000 |
|--------------------|---------|----------|
| 2 and 3-yr., S.,   |         |          |
| 9 to 12 ins. ....  | \$ 6.00 | \$ 50.00 |
| 12 to 18 ins. .... | 8.00    | 70.00    |

### **Cornus florida (White Dogwood)**

|                     | 15.00 | 125.00 |
|---------------------|-------|--------|
| 2 and 3-yr., S.,    |       |        |
| above grafting size | 15.00 | 125.00 |
| 2 to 3 ft. ....     | 30.00 | 250.00 |
| 3 to 4 ft. ....     | 50.00 | 400.00 |
| 4 to 5 ft. ....     | 75.00 | .....  |

### **Cydonia japonica**

(Japanese Flowering Quince)

|                          | 7.50  | 65.00  |
|--------------------------|-------|--------|
| 1 and 2-yr., S.,         |       |        |
| 9 to 15 ins. ....        | 7.50  | 65.00  |
| 12 to 18 ins. ....       | 20.00 | 175.00 |
| 2-yr., T., 15 to 21 ins. | 35.00 | .....  |

### **Forsythia Spring Glory**

|                    | 15.00 | 125.00 |
|--------------------|-------|--------|
| 2 and 3-yr., C.,   |       |        |
| 18 to 24 ins. .... | 15.00 | 125.00 |
| 2 to 3 ft. ....    | 22.50 | 200.00 |
| 3 to 4 ft. ....    | 40.00 | 350.00 |
| 4 to 5 ft. ....    | 65.00 | .....  |

## BROUWER'S NURSERIES

P. O. Box 25 New London, Conn.

## VOSTERS

NURSERIES AND  
 GREENHOUSES, INC.

*Tropical Foliage  
 Plants for  
 Interior Decor*

Main Office,  
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 (Suburban Philadelphia)  
 Cutler, Florida  
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## SHEPARD NURSERIES

Growers and Distributors of

## ORNAMENTAL NURSERY STOCK

Truckloads only, no boxing.  
 60 acres growing. Skaneateles, N. Y.

### **LYNWOOD GOLD**

#### **FORSYTHIA**

Recent import from Ireland. Full-flowered; deep golden color. Heavy, outdoor frame rooted cuttings, approximately 1 ft.

\$12.00 per 100; \$100.00 per 1000.

### **BEARDSLEE NURSERY**

Perry, O.

## DE GROOT BULB CO.

HOLLAND AND DOMESTIC BULBS

for Spring and Fall

Write for wholesale price list.

12-02 Ellis Ave., Fair Lawn, N. J.

## CERTIFIED BLUEBERRY PLANTS

Rooted Cuttings

22 Varieties

\$70.00 per 1000 and up

A. G. AMMON

Box 458

Chatsworth, N. J.

summer, and by August and September the infestation may be severe. Mites also may not be controlled satisfactorily with the all-purpose schedule. Two satisfactory miticides are Kelthane and Tedion, both of which have the same effectiveness.

New materials include Dimethoate, low in toxicity to humans and effective as a systemic, and Dibrom, low in toxicity to humans and effective against a wide range of insects. Neither of these materials has been tested sufficiently for its effects on all plants to be known. If either is used, it should be on a small scale.

### Plant Diseases

"Diseases of Nursery Plants" was discussed by James Tammen, assistant professor of plant pathology. He reported on one year's testing of materials for the control of black spot of roses. Several materials were used, with the most effective being Phaltan (75W) and Maneb (80 per cent) used alone or in combination with Karathane or Acti-dione. It is not feasible to make recommendations from one year's tests. Other diseases discussed and controls recommended were:

1. Sycamore anthracnose — Use Bordeaux.

2. Verticillium wilt (maple)—No control except to remove diseased plant.

3. Dutch elm disease (confused with wilt and phloem necrosis)—Brown discoloration of wood. Send in sample to pathology laboratory for positive identification.

4. Rhododendron phytophthora tip blight—Dead tips or tissue. Cut out infected tissue, cutting well below infection, then spray with zineb or captan.

5. Pyracantha fire blight—A sudden wilting and dying of tissue. Antibiotics such as streptomycin or agrimycin, 100 parts per million, will give some control. Also, infected tissue should be pruned at least 12 inches below injury.

6. Pachysandra stem and leaf spot—Brown spots on tissue. Moist weather favors its development; therefore, overhead irrigation should be avoided if possible. Control with captan or Fermate. Spraying should begin before disease attacks.

7. Mountain laurel leaf spot—White-centered spots with red margins. Control with captan.

FORMATION of the Sarasota Nursery & Landscape Co., 5501 South Tamiami Trail, Sarasota, Fla., has been announced by T. Ralph Taylor, Jr.

## GRAFTED STOCK FOR SPRING, 1960, DELIVERY

|   | 10     | 100     |  | 10     | 100     |
|---|--------|---------|--|--------|---------|
| Acer palmatum atropurpureum Bloodgood               | \$7.50 | \$65.00 | Juniperus chinensis Mountbatten            | \$6.50 | \$55.00 |
| Acer palmatum atropurpureum Oshlu-Beni              | 7.50   | 65.00   | Juniperus chinensis sargentii              | 6.50   | 55.00   |
| Acer palmatum dissectum                             | 7.50   | 65.00   | Juniperus chinensis glauca                 | 6.50   | 55.00   |
| Acer palmatum dissectum atropurpureum               | 7.50   | 65.00   | Juniperus scopulorum                       | 6.50   | 55.00   |
| Acer platanoides columnare                          | 7.50   | 65.00   | Juniperus spreading                        | 6.50   | 55.00   |
| Acer platanoides Faassen's Black                    | 7.50   | 65.00   | Juniperus squamata meyeri                  | 6.50   | 55.00   |
| Acer rubrum columnare                               | 7.50   | 65.00   | Juniperus virginiana burki                 | 6.50   | 55.00   |
| Acer saccharum monumentale                          | 7.50   | 65.00   | Juniperus virginiana canneri               | 6.50   | 55.00   |
| Cedrus atlantica glauca                             | 7.50   | 65.00   | Juniperus virginiana elegantissima         | 6.50   | 55.00   |
| Chamaecyparis obtusa compacta                       | 6.00   | 50.00   | Juniperus virginiana glauca                | 6.50   | 55.00   |
| Chamaecyparis obtusa gracilis                       | 6.00   | 50.00   | Juniperus virginiana globosa               | 6.50   | 55.00   |
| Cornus florida alba plena                           | 6.50   | 55.00   | Juniperus virginiana pyramidiformis hillii | 6.50   | 55.00   |
| Cornus florida pendula                              | 7.50   | 65.00   | Juniperus virginiana schottii              | 6.50   | 55.00   |
| Cornus florida rubra                                | 6.50   | 55.00   | Magnolia rustica rubra                     | 7.50   | 65.00   |
| Cornus florida rubra Proser (Red-Flowering Dogwood) | 7.50   | 65.00   | Magnolia soulangeana                       | 7.50   | 65.00   |
| Cornus kousa chinensis                              | 6.50   | 55.00   | Magnolia soulangeana nigra                 | 7.50   | 65.00   |
| Cupressus arizonica gaelei                          | 6.50   | 55.00   | Magnolia stellata                          | 7.50   | 65.00   |
| Fagus sylvatica asplenifolia                        | 6.50   | 55.00   | Magnolia stellata rubra                    | 7.50   | 65.00   |
| Fagus sylvatica fastigiata                          | 6.50   | 55.00   | Magnolia stellata Water Lily               | 7.50   | 65.00   |
| Fagus sylvatica heterophylla                        | 6.50   | 55.00   | Parrotia persica                           | 6.50   | 55.00   |
| Fagus sylvatica pendula                             | 6.50   | 55.00   | Pinus cembra                               | 7.00   | 60.00   |
| Fagus sylvatica riversi                             | 6.50   | 55.00   | Thuja orientalis aurea nana                | 5.50   | 45.00   |
| Hamamelis mollis                                    | 6.50   | 55.00   | Thuja orientalis conspicua                 | 5.50   | 45.00   |
| Ilex aquifolium perryi, female                      | 7.50   | 65.00   | Thuja orientalis elegantissima             | 5.50   | 45.00   |
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| T. capitata, 12 to 16 ins.  | 2.25    | 2.00     |
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# PLANT NOTES HERE AND THERE

By C. W. Wood

## Polygonum Sericeum

While looking over some old notes recently for information on *Polygonum perpusillum*, I came upon a note written 20 years ago on *P. sericeum* which I am sure was never used; so I include it here with the hope that it may interest some readers. It was evidently written after the plant was in my trials, though I do not now find the exact record of it.

*Polygonum sericeum* has been found useful in the Michigan climate where so many Asiatic knotweeds are unable to withstand the winters. It is, in fact, one of the better knotweeds of medium height that can be cultivated in Michigan, attaining a stature of two feet and producing spiraealike heads of white flowers in late summer. The trait of summer or fall blooming, which is characteristic of many knotweeds, gives virtue to many a plant which might otherwise be classed as a weed; that is not necessarily true of the plant under discussion, for it has other virtues in addition to that of summer flowering. It does not spread rapidly from the root, as many of its kind have the habit of doing, and it is able to thrive under ordinary garden treatment.

## Polygonum Perpusillum

As has been mentioned, the excursion in my knotweed file was for the purpose of finding something on the Himalayan *P. perpusillum*. I was not successful in finding a thing on it, nor do I find anything in "Hortus," so I shall have to rely upon a rather faulty memory if I am to reply to a request from a Vermont reader for some information on the plant.

I remember it quite distinctly and think that I recall that it was grown from seeds received from Dr. Lempert, of Austria, long before that country was engulfed by the Nazis. So, trusting to that faulty memory, let us reconstruct that plant something like this: It makes a tiny tuft of tiny leaves, narrow and recurved at the edges, from which spring inch-high flower stems, bearing little spikes of white flowers in late summer or early fall (I cannot now place the exact time). As I remember it now, I did not think the plant was worth the effort to make it forget its high mountain home (the

Himalayas, I believe), but I thought it one of the better alpine knotweeds. I suspect it would be hardy in Vermont under a snow mulch, and it might be a good seller among alpine enthusiasts.

## Oenothera Ovata

A Missouri correspondent writes that he was much impressed with the garden value of the evening primrose, *Oenothera ovata*, when he was in California last year and wonders if it would do well in western Missouri. I am glad to tell him and other interested readers of my experience with this plant.

A California species, *O. ovata* is not a plant for the northern tier of states, according to my experience in northern Michigan. In any event, I had trouble keeping the plant over winter in the open, but it should be

able to withstand the winter in regions south of Chicago. I have a letter in my files from a correspondent in central Illinois which says *O. ovata* is perfectly hardy there. The late Carl Purdy, a careful student of the California flora, told me years ago that the plant's roots can be stored like tender bulbs, a fact that may be the solution for northern lovers of the evening primrose genus—a plant group that has much good garden material.

A single root of a plant I have in my possession, called golden eggs by Californians, will make a tuft of light green, usually oblong leaves and will send up, all summer long, inch-wide blooms, quite stemless, of intense golden yellow. Apparently, the sum of its needs consists of good drainage and sunshine.

I was under the impression, when

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| 5 gallons from <b>\$2.00</b> each                           | <b>TAXUS</b> , 7 varieties • <b>ARBORVITAE</b> , pyramid<br><b>MUGHO PINE</b> • <b>BALSAM FIR</b> • <b>WHITE SPRUCE</b>       |  |
| <b>5000 B&amp;B, \$2.50</b> and up                          |   |  |
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the plant was under investigation here, that it was being confused with *O. odorata*, a South American. At the time I was experimenting with *O. ovata* and, since I had not grown the other, I could not verify the supposition; since then, plants with at least a half-dozen names, all of which could be assigned to *O. odorata*, have flowered in my trials, and I found all of them entirely distinct from *O. ovata*. The South American plants are not hardy in Michigan, of course, but could be used as annuals if so desired.

Getting back to *O. ovata*, I should expect it to be a good, hardy garden plant in Missouri. I believe it should act like most other stemless kinds by spreading by underground runners, but this I cannot say for certain, because the plant did not stay with me long enough to show its real nature.

**Polygonum Vaccinifolium**

While on the subject of knotweeds, I should like to direct attention to another Himalayan, *Polygonum vaccinifolium*, which I think would gratify any gardener in sections where it could be grown without too much coddling. Judging from its behavior here in upper Michigan, it probably would not be hardy in

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|---|---------------------|----------------------|----------------------|
| Berberis Crimson Pygmy, bushy                                     |                     |                      |                      |
| 15,000 3-yr., T., 4 to 6 ins.                                     | \$0.40              | \$0.35               | \$0.32               |
| 4500 3-yr., T., 6 to 9 ins.                                       | .45                 | .40                  | .35                  |
| 1000 3-yr., T., 9 to 12 ins.                                      | .60                 | .50                  | .45                  |
| Buxus inglis  |                     |                      |                      |
| 500 3-yr., pot  | .40                 | .35                  | ..                   |
| Buxus koreana   |                     |                      |                      |
| 2000 2-yr., pot   | .30                 | .28                  | .25                  |
| Forsythia bronxiana, true dwarf                                   |                     |                      |                      |
| 200 2-yr., T., 8 to 12 ins.                                       | .35                 | ..                   | ..                   |
| Forsythia Lynwood Gold  |                     |                      |                      |
| 2100 2-yr., T., 8 to 12 ins.                                      | .20                 | .18                  | ..                   |
| 2600 2-yr., T., 12 to 18 ins., very bushy                         | .25                 | .22                  | ..                   |
| Hydrangea A. G.   |                     |                      |                      |
| 700 Heavy, L. O.  | .14                 | .13                  | ..                   |
| Juniperus horizontalis plumosa (Andorra)                          |                     |                      |                      |
| 450 2-yr., pot  | .30                 | .28                  | ..                   |
| Pinus nigra   |                     |                      |                      |
| 800 2-yr., S., 8 to 10 ins.                                       | .15                 | .12                  | ..                   |
| Quercus robur fastigiata (Pyramidal)                              |                     |                      |                      |
| 600 2-yr., S.   | .45                 | .40                  | ..                   |
| Pinus nigra   |                     |                      |                      |
| 160 4-yr., T., 15 to 18 ins.                                      | 1.00                | .75                  | ..                   |
| 125 4-yr., T., 2 to 3 ft.   | 1.50                | ..                   | ..                   |
| Sorbus aucuparia  |                     |                      |                      |
| 605 2-yr., S., 9 to 12 ins.                                       | .10                 | .07 1/2              | ..                   |
| 500 2-yr., S., 12 to 18 ins.                                      | .12                 | .10                  | ..                   |
| Taxus cuspidata   |                     |                      |                      |
| 5500 2-yr., pot   | .27                 | .25                  | .23                  |
| 1000 3-yr., pot   | .34                 | .32                  | ..                   |
| 5800 3-yr., T.  | .35                 | .32 1/2              | .30                  |
| 250 5-yr., 10 to 15 ins., for potting                             | 1.75                | 1.40                 | 1.30                 |
| Taxus cuspidata capitata  |                     |                      |                      |
| 5000 2-yr., S.  | .12                 | .10                  | .09                  |
| 400 5-yr., T., from seed, 12 to 18 ins.                           | .58                 | .55                  | .53                  |
| Taxus cuspidata wardi   |                     |                      |                      |
| 200 2-yr., T.   | .37 1/2             | .35                  | ..                   |
| Taxus densiformis   |                     |                      |                      |
| 12,000 2-yr., T., heavy   | .45                 | .40                  | ..                   |
| Taxus henryi, like densiformis                                    |                     |                      |                      |
| 7450 2-yr., pot   | .30                 | .28                  | ..                   |
| Taxus intermedia Sebian   |                     |                      |                      |
| 900 2-yr., pot, nice  | .30                 | .28                  | ..                   |
| 2250 3-yr., pot, trimmed  | .40                 | .35                  | .32                  |
| Taxus media   |                     |                      |                      |
| 1500 2-yr., pot   | .30                 | .28                  | ..                   |
| Taxus media andersoni   |                     |                      |                      |
| 2350 2-yr., pot   | .30                 | .28                  | ..                   |
| 1500 3-yr., pot   | .35                 | .32                  | ..                   |
| Taxus media browni  |                     |                      |                      |
| 1400 2-yr., T.  | .35                 | .30                  | ..                   |
| Taxus media hicksi  |                     |                      |                      |
| 3600 2-yr., pot   | .30                 | .28                  | ..                   |
| 1800 4-yr., TT.   | .55                 | .50                  | .45                  |
| Teucrium chamaedrys   |                     |                      |                      |
| 500 2-yr., pot  | .25                 | .22                  | ..                   |
| Thuja occidentalis woodwardi                                      |                     |                      |                      |
| 1000 1-yr., pot   | .22                 | .20                  | ..                   |
| 3600 2-yr., pot   | .27 1/2             | .25                  | ..                   |
| Thuja occidentalis nigra  |                     |                      |                      |
| 1400 2-yr., bed   | .35                 | .30                  | ..                   |
| Viburnum carlesi  |                     |                      |                      |
| 375 3-yr., T., 12 to 15 ins.                                      | 1.00                | .80                  | ..                   |
| Viburnum dentatum, bushy  |                     |                      |                      |
| 450 2-yr., T., 15 to 18 ins.                                      | .18                 | .15                  | ..                   |
| Weigela vaniceki  |                     |                      |                      |
| 1500 1-yr., 1 1/2 to 2 ft., br.                                   | .25                 | .20                  | .18                  |
| 1000 1-yr., 1 1/2 to 2 ft., heavy br., for canning or mail order. | .35                 | .30                  | ..                   |
| 25 at 100 rate; 250 at 1000 rate.                                 |                     |                      |                      |

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Vermont unless given special mulching between the passing of snow and the coming of settled weather. In my trials it came through the winter in perfect condition, but suffered badly from frosty nights in spring.

I do not understand the statement in "Hortus" that this plant is a perennial to a foot in height. According to my records, it never exceeded four inches in my trials and more often did not grow over three inches. It spread out a lovely mat of little, narrow, evergreen leaves, which were almost completely hidden under a carpet of rose-pink flowers in autumn. It was a joy during the open season from spring until winter, and I should expect it to be the same to most customers. Easily grown in almost any sunny spot, it is propagated from cuttings at almost any season of the year.

I have looked up other notes on the plant and find that I must have been fortunate in getting seeds of one of its best forms, for some plants are reported as being little more than weeds, but all agree that its really good forms are among the loveliest of alpine.

## Poppy Mallow

I have been greatly pleased during the past two or three years to see that, after almost complete absence for a long time from plant lists which come to my desk, at least two national advertisers are featuring the poppy mallow, Callirhoe involucrata. If this renewed interest in the plant introduces it to a few of our gardeners, it will have done a good service to a worthy perennial that has gone quite unnoticed in its native land. Advertisers may euphemistically speak of it as rosy purple, but it remains, to me at least, unashamedly magenta—a glorious shade of magenta that is quite sure to please the most anemic lover of pastel shades. From a sunny location in well-drained soil, it will send out sprawling branches to a yard, or so, in length, bearing large (two and one-half inches across) poppies all summer long. And like the pleasant companion that it is, it will self-sow for the gardener who is not too meticulous in his housekeeping. Easily grown from seeds, it is permanent, where hardy, when grown under ordinary garden treatment. And it should be hardy in all except the coldest sections.

## Viola Better Times

Bedding violas being one of my favorite garden flowers, I am always looking for new ones, and my search was rewarded last fall when it re-

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|                   | 10<br>to 49 | 50<br>to 249 | 250 or<br>more |
|-------------------|-------------|--------------|----------------|
| 5 to 6 ft., whips | \$2.25      | \$2.00       | \$1.80         |
| 5 to 6 ft., br.   | 2.75        | 2.50         | 2.25           |
| 6 to 7 ft., whips | 2.75        | 2.50         | 2.25           |
| 6 to 7 ft., br.   | 3.35        | 3.00         | 2.70           |
| 7 to 8 ft., whips | 3.35        | 3.00         | 2.70           |
| 7 to 8 ft., br.   | 4.00        | 3.60         | 3.25           |

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|---|---------|
| 1500 Pyramid Arborvitae, 18 to 24 ins.            | \$50.00 |
| 1000 Siberian Arborvitae, 9 to 12 ins.            | 40.00   |
| 1000 Juniper, Pfitzer, 6 to 9 ins.                | 40.00   |
| 2000 Juniper, Pfitzer Compacta, 8 to 10 ins.      | 45.00   |
| 1000 Juniper, Andorra, 8 to 10 ins.               | 40.00   |
| 500 Globosa Arborvitae, 12 to 15 ins.             | 45.00   |
| 250 Spiraea bumalda coccinea, 8 to 10 ins., bushy | 25.00   |

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Crenata convexa  
(Japanese Holly)

|                     | Each   |
|---------------------|--------|
| 10 to 12 ins., B&B. | \$1.50 |
| 12 to 15 ins., B&B. | 2.00   |
| 15 to 18 ins., B&B. | 2.50   |

**KINGWOOD NURSERIES**

Mentor, Ohio



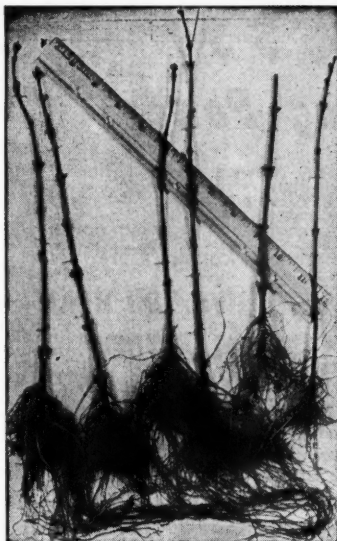
vealed a new English named variety, Better Times, in the garden of a friend to whom I go frequently to see his new plants and exciting ways of using them. Upon returning home to search the catalogs for a source of supply, I found that this plant is a true perennial, providing primrose-yellow violets, as large as pansies (that was the case in the plants I saw), from spring until autumn (I suspect it would take a little shearing to cause it to grow that long). In addition, it is pleasingly fragrant and among the most prolific bloomers that I have seen. It all means that the neighborhood grower should find it a good seller through the open year, if he will keep young, cutting-grown plants in growing pots at all times.

### Monarda Adam

It could scarcely be that Monarda Adam is so called because it is first to bloom, because I have noticed no appreciable difference in its blooming period, except, perhaps, that it covers a longer period than most of its kind. I should like to be able to say with confidence that, if you are looking for a compact grower to replace the lanky growths of your present bee balms, you can find an answer here. But I had my tongue burned badly when, after a single year's experience with Granite Pink, I recommended it as a compact grower, and then the next year it shot up as high as any of them. So I merely say that so far as I have observed it, the growths are compact. And it certainly is the most pleasing red that has come under my eyes to date, making it easy to believe the word from the American introducer that it is preferred in England, where it originated, I believe, over Cambridge Scarlet.

### Everblooming Sweet Violet

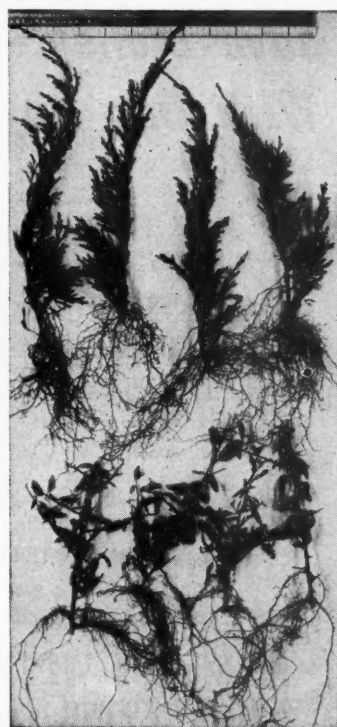
A Massachusetts reader asks what he should do to make Viola odorata semperflorens live up to its reputation of being everblooming. The question made me think about this plant's life in gardens since it was introduced as Rhorbach's Perpetual about a quarter of a century ago. (I hope I have the name and date at least approximately correct, but I am unable to find my original notes on the subject). I distinctly remember that I was greatly disappointed at that time because it did not live up to its varietal name, semperflorens, which means that it is everblooming. Others must have had the same experience and no doubt have to this day, for the plant has lost much of its initial popularity, and



Forsythia Spring Glory, Lynwood Gold and Beatrix Farrand



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Andorra Juniper (top) Pyracantha lalandi and Kasan (bottom)

|  | Each   |
|--|--------|
| Andorra Juniper, 6 to 8 ins.                           | \$0.05 |
| Bark Juniper, 6 to 10 ins.                             | .12    |
| Blue Hetz Juniper, 6 to 10 ins.                        | .05    |
| Pfitzer Juniper, 6 to 10 ins.                          | .06    |
| Pfitzer Juniper, 6 to 8 ins., bands                    | .16    |
| Euonymus patens, small or medium-leaved, 8 to 10 ins.  | .04    |
| Forsythia Beatrix Farrand, 6 to 12 ins.                | .06    |
| Forsythia Lynwood Gold, 8 to 12 ins.                   | .04    |
| Forsythia Spring Glory, 8 to 12 ins.                   | .04    |
| Euonymus coloratus, 8 to 10 ins.                       | .04    |
| Pyracantha Kasan, 5 to 8 ins.                          | .05    |
| Pyracantha lalandi, 5 to 8 ins.                        | .05    |
| Less than 300, total order.                            |        |
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|               | Per 100 | Per 1000 |
|---------------|---------|----------|
| 6 to 12 ins.  | \$ 6.00 | \$ 55.00 |
| 12 to 18 ins. | 8.00    | 75.00    |
| 18 to 24 ins. | 12.00   | 100.00   |

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- **FIELD-GROWN PERENNIALS** — For landscape work, cut flowers. Also individually wrapped plants for counter sales.

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### X Pin Oak (*Quercus palustris*), Field-Grown XX Red Oak (*Quercus borealis rubra*)

|                            | Per 100 | Per 1000 |
|----------------------------|---------|----------|
| X, XX 9 to 12 ins., heavy  | \$ 6.00 | \$ 55.00 |
| X, XX 12 to 18 ins., heavy | 8.00    | 75.00    |
| X, XX 18 to 24 ins., heavy | 12.00   | 100.00   |
| X, XX 2 to 3 ft., heavy    | 17.00   | 140.00   |
| X 3 to 4 ft., lightly br.  | 25.00   | 220.00   |
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We also have a plentiful supply of larger Pin Oak; also Red and White Oak, B&B sizes. Nursery grown.

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*Haggerty's*

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### FINISHED LANDSCAPE AND GARDEN STORE MATERIAL

|   |  |
|---|--|
| 500 Acer Rubrum, 1¼ to 2-in. cal.             | 400 Juniper, virginiana keteleeri, 4 to 4½ ft. |
| 300 Acer dasycarpum, 1¼ to 2-in. cal.         | 500 Juniper, virginiana burki, 4 to 4½ ft.     |
| 200 American Sycamore, 1¼ to 2-in. cal.       | 500 Juniper, chinensis mas, 4 to 4½ ft.        |
| 500 Juniper, virginiana canaerti, 4 to 4½ ft. |  |

### CASSINELLI'S GLENDALE NURSERIES, INC.

(Cincinnati)

Glendale, Hamilton Co., Ohio

### AZALEAS

|   | Each<br>Per 10 | Each<br>Per 100 |
|---|----------------|-----------------|
| MOLLIS (Chinese Azalea)<br>12 to 15 ins., B&B, with flower buds | \$1.60         | \$1.50          |
| 15 to 18 ins., B&B, with flower buds                            | 1.85           | 1.75            |

Write for complete price list.

KINGWOOD NURSERIES

MENTOR, O.

I notice that some nurserymen merely refer to it as long blooming.

I found that this violet can be made practically everblooming, instead of blooming spring and autumn, as is often reported, by dividing the plants as soon as they are through their first heavy flower production and resetting them in fresh, woodsy soil. Even if the plant qualifies in nurseries as being only long blooming, it will please growers and their customers, I am sure, because it is one of the most fragrant violets, with large, deep purple flowers on stems longer than most kinds.

### Saxifraga Caespitosa

In my salad days in gardening, I was brash enough to spend hours talking positively about the many saxifrages, telling all and sundry that such-and-such was so-and-so and that they were to be grown thus-and-so; now when I am asked anything about them that requires a positive answer, I am frank to admit, as I do now to the Rhode Island reader who asked about Saxifraga caespitosa, that I know little about saxifrages and absolutely nothing about *S. caespitosa*. I have no idea how many times I have bought plants and seeds under that name, and I doubt if I ever had the true plant. The same is true of *S. decipiens* and other mossies, perhaps to a lesser extent in some cases, and I can offer no infallible rule to get what the inquirer is after. But I can offer this advice, a practice I learned to follow before I gave up commercial plant growing: When one gets the mossy saxifraga "bug," one should buy plants from any source one can find. I found some splendid plants in that way, probably mostly forms of *S. decipiens* and garden hybrids, of which there are myriads. These selected forms may be endlessly multiplied by breaking up the clumps, using each tiny, rooted fragment as the beginning of a new plant. Some time I may get up the courage to collect my notes on the mossies and try to make some sense out of the conflicting conclusions which a cursory examination shows to exist there.

### Heucheras for Cutting

An Ohio grower of outdoor cut flowers asks if it would pay him to add heucheras to his list. Without knowing his growing conditions and his local market, it would be mere guesswork to attempt a general answer, but I can tell him the experience of others.

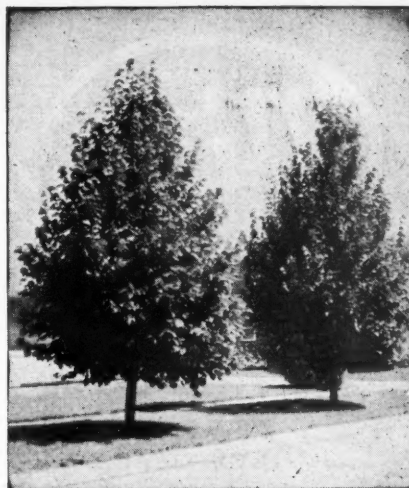
Heucheras, especially *H. sanguinea* and its forms, have long been

# REDMOND LINDEN

- for
- OUTSTANDING BEAUTY
  - COOLING SHADE
  - RAPID GROWTH
  - EASE OF MAINTENANCE
  - HARDINESS

Truly one of America's finest shade trees. Proved by more than 30 years of careful observation under various conditions.

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Redmond Linden planted 7 years ago.

Wholesale Prices for Spring, 1960  
F.O.B. Fremont, Neb.

|                   | Per 10  | Per 100  |
|-------------------|---------|----------|
| 10 to 11 ft. .... | \$52.50 | \$500.00 |
| 9 to 10 ft. ....  | 42.50   | 400.00   |
| 8 to 9 ft. ....   | 35.00   | 325.00   |

Terms: Per our published list.

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### HARDY MUMS AND PERENNIALS

Our list contains the newest and best varieties available in the country. Plants furnished are fully developed, field-grown clumps, ideal for use as stock plants for your propagations. Write for our complete list of Mums and fine perennials.

#### DAPHNE CNEORUM (Garland Flower)

This beautiful evergreen subshrub is acclaimed by leading horticulturists as the finest available in its category. Unexcelled as an edging or specimen in front of foundation plantings. Highly scented, rose-pink flowers cover the foliage in spring, bloom intermittently in summer and quite fully again in autumn. The plant itself never grows taller than 8 to 10 ins. Our strain has proved hardy and easy to grow. Complete planting directions furnished with each shipment. The material supplied is ideal for potting, canning or lining out in the field. Every year is a sellout, so order now to avoid disappointment.

|   |                                    |
|---|------------------------------------|
| 2-in. pots .....                              | Per 10, \$ 3.00; Per 100, \$ 25.00 |
| 1-yr., 6 to 12 ins., bushy and branched ..... | Per 10, 4.50; Per 100, 40.00       |
| 9 to 12 ins., sheared, B&B .....              | Per 10, 12.50; Per 100, 100.00     |

P. O. Box 189

THE JOSEPH F. MARTIN CO., INC.

Painesville, O.

popular as cutting material in home gardens and in some cases with florists, and their value in that role has been greatly enhanced by the introduction of modern named forms, with their larger size of flower, longer stems and brighter colors.

As the introduction of new varieties is too rapid for a nonspecialist to keep pace with (actually, there is only one heuchera, Sentinel, in my trials at present—an upstanding plant to three feet, with large flowers of vivid scarlet on well-branched stems through most of the summer), I shall not attempt an enumeration of the desirable kinds at this time. When one is growing heucheras for cutting, he should look around in gardens and nurseries and choose the kinds that are heavy producers

of usable flowers. There are many kinds with large flowers or splendid colors, or both, which would be star boarders in the hands of cut flower growers.

#### THE MAGNOLIAS

[Continued from page 13]

ing at maturity, chiefly of value for its foliage. The small flowers are greenish yellow and none too conspicuous, appearing after the leaves are fully developed in late spring. The leaves are five to 11 inches long. Often used as understock in grafting other magnolias.

*M. campbelli mollicomota*: 50 to 80, zone 9, SE Tibet—Leaves six to 10 inches long, four to five inches wide; flowers six to seven inches in

diameter, rose-colored and appearing before the leaves in the spring. This will bloom much earlier from young plants than will the species; i. e., in seven or eight years, while the species takes twice as long.

*M. cordata*: 30, zone 5, Georgia, yellow cucumber tree—A smaller tree than *M. acuminata*, sometimes shrublike, with 4-inch canary-yellow flowers, much better than those of *M. acuminata*. The leaves are three to five inches long. This might be used as a substitute for *M. acuminata* on the small place.

*M. dawsoniana*: 36, zone 7, W China, Dawson magnolia—With horizontally borne, nodding, rosy-purple flowers about 10 inches in diameter appearing before the leaves in March and April. This is often





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## Ready

### ILEX OPACA EAST PALATKA

A hardy, vigorous-growing holly with very striking foliage and brilliant, bright red berries in the fall. Excellent holly in all respects.

2 1/4" pot — .20

Zone 5

### ILEX AQUIPERNYI BRILLIANT

Truly a superb holly — its captivating dark green foliage having a reddish cast on its new growth, makes a delightful setting for its brilliant red "self-fertile" berries that are produced in profusion.

2 1/4" pot .25 — 3" pot .40

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### ILEX OPACA MRS. SARVER

Superior type, cutting grown to insure its outstanding qualities. Bright red berries in abundance, luxurious dark green leaves, appealing, vigorous habit of growth. Unexcelled wherever planted.

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(Including Minnesota and Louisiana)

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2 1/2" rose pot and 3" pot — 2c

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1000 plants ... 10% • 500 plants ...

These discounts apply if the following requirements are met.

1. All plants must be of one variety.
2. All plants must be of one container size.
3. All plants must be shipped at one time.

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### ILEX DWARF

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### ILEX AQUIFOLIUM FERTILIS

Its striking dark green foliage creates a delightful setting for the abundance of bright red berries produced by this exceptional self-fertile holly. Pleasing upright habit of growth.

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Compact growing holly with rounded foliage. Excellent holly for areas. Has a very appealing habit of growth.

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Zone 6

### ILEX CRENATA GREEN THUMB

A low-spreading, compact, self-branching holly. Has very appealing light, bright green leaves. Excellent for borders, specimens and tubs.

2 1/4" pot — .25

Zone 7

\* Number following description refers to minimum temperature "Hardiness Guide." See Pages 40 and 41 of your MN general catalog.



# MONROVIA NURSERY Co.

P.O. BOX Q, AZUSA, CALIFORNIA

# CHOICE LINING - OUT STOCK

For Spring, 1960

Potted and Transplanted Stock under  
Frames

|   | 25 at 100 rate; | 250 at 1000 rate. |  |
|---|-----------------|-------------------|--|
|   | Each            | Each              |  |
|   | Per             | Per               |  |
|   | 100             | 1000              |  |
| <b>Arborvitae Woodward Globe</b>              |                 |                   |  |
| 8 to 10 ins., 2-yr., pots ..                  | \$0.20          | \$0.17½           |  |
| <b>Buxus angustifolia</b>                     |                 |                   |  |
| 4 to 6 ins., 2-yr., 2¼-in. pots ..            | .25             | .25½              |  |
| <b>Buxus, Korean</b>                          |                 |                   |  |
| 4 to 6 ins., 2-yr., 2-in. pots ..             | .25             | .22½              |  |
| 6 to 8 ins., 3-yr., 2-in. pots ..             | .35             | .30               |  |
| <b>Buxus sempervirens</b>                     |                 |                   |  |
| 4 to 6 ins., 2-yr., 2¼-in. pots ..            | .22½            | .20               |  |
| 6 to 8 ins., 3-yr., 2¼-in. pots ..            | .25             | .22½              |  |
| 8 to 10 ins., 3-yr., pots ..                  | .27½            | .25               |  |
| <b>Buxus fastigiata</b>                       |                 |                   |  |
| 6 to 8 ins., 3-yr., 3-in. pots ..             | .65             | ...               |  |
| <b>Euonymus Sarcocoe</b>                      |                 |                   |  |
| 4 to 6 ins., 1-yr., 2¼-in. pots ..            | .25             | ...               |  |
| <b>Euonymus radicans erectus</b>              |                 |                   |  |
| 4 to 6 ins., 1-yr., 2¼-in. pots ..            | .17             | .15               |  |
| 6 to 8 ins., 2-yr., 2¼-in. pots ..            | .20             | .17½              |  |
| <b>Juniper, hetzi</b>                         |                 |                   |  |
| 8 to 10 ins., 2-yr., pots ..                  | .22½            | .20               |  |
| 10 to 12 ins., 4-yr., T., heavy ..            | .37             | .35               |  |
| <b>Juniper, pfitzeriana</b>                   |                 |                   |  |
| 8 to 10 ins., 3-yr., pots ..                  | .22½            | .20               |  |
| 10 to 12 ins., 4-yr., T., heavy ..            | .37½            | .35               |  |
| <b>Juniper, pfitzeriana compact</b>           |                 |                   |  |
| 8 to 10 ins., 3-yr., T.,<br>in beds, heavy .. | .37½            | .35               |  |
| <b>Kerria japonica flora plena</b>            |                 |                   |  |
| 8 to 12 ins., 1-yr., pots ..                  | .20             | .17½              |  |
| <b>Mahonia aquifolium</b>                     |                 |                   |  |
| 4 to 6 ins., 2-yr., 2¼-in. pots ..            | .20             | .17½              |  |
| 6 to 8 ins., 3-yr., 2¼-in. pots ..            | .22½            | .20               |  |
| <b>Taxus cuspidata, spreading type</b>        |                 |                   |  |
| 6 to 8 ins., 1-yr., 2¼-in. pots ..            | .20             | .17½              |  |
| 8 to 10 ins., 2-yr., pots ..                  | .22½            | .20               |  |
| 10 to 12 ins., 4-yr., T.,<br>medium heavy ..  | .45             | .40               |  |
| 10 to 12 ins., 4-yr., T., heavy ..            | .55             | .50               |  |
| <b>Taxus media Hicksi (Hicks' Yew)</b>        |                 |                   |  |
| 8 to 10 ins., 2-yr., pots ..                  | .27½            | .25               |  |
| 10 to 12 ins., 4-yr., T., heavy ..            | .55             | .50               |  |
| <b>Viburnum burkwoodii</b>                    |                 |                   |  |
| 6 to 8 ins., 1-yr., 2¼-in. pots ..            | .22½            | ...               |  |
| 8 to 10 ins., 2-yr., pots ..                  | .27½            | ...               |  |
| <b>Viburnum tomentosum plicatum</b>           |                 |                   |  |
| 8 to 10 ins., 1-yr., pots ..                  | .25             | .22½              |  |
| 10 to 12 ins., 2 yr., pots ..                 | .27½            | .25               |  |

Free packing cash with order; otherwise  
½ deposit with order and balance C.O.D.  
All shipments railway express. Write  
for our complete list.

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25 miles west of Dayton, O.

## FRENCH STRAIN SCOTCH PINE SEEDLINGS

Well-rooted, 2-yr.-old, 2 to 5 ins. tall,  
100, \$3.00; 1000, \$12.00; 5000, \$50.00.  
Free packing, cash with order.

MELLINGER'S NURSERY  
AN, North Lima, Ohio

confused with *M. sargentiana*, but the Dawson magnolia flowers more profusely.

*M. denudata*: 45, zone 5, China, Yulan — Formerly termed *M. conspicua*, this tree produces beautiful creamy-white, fragrant flowers, six inches in diameter, in early May before the 4 to 6-inch leaves appear. An excellent tree, one of the best of the magnolias.

*M. d. purpurascens* — Flowers rose red outside, pink inside, from Japan.

Benedetto — Originated before 1950. Flowers a pale pink, introduced by Overlook Nurseries, Semmes, Ala. The introducer now states that he doubts if any plants propagated from the original (which is dead) are alive.

*M. fraseri*: 45, zone 5, Virginia to Georgia, Fraser magnolia — The leaves are large, eight to 15 inches long, and the milky white flowers are about eight to 10 inches in diameter. The fragrant flowers are produced in May and June, when the plant is in leaf. Because of large coarse foliage and flowers, this plant is difficult to use properly in the small garden.

*M. grandiflora*: 90, zone 7, North Carolina to Florida and Texas, southern magnolia — An excellent evergreen tree, with waxy evergreen leaves, five to eight inches long, dropping at the end of the second year, and large, waxy-white, fragrant flowers eight to 10 inches in diameter produced in June and July. Several varieties are grown with varying leaf sizes.

*M. g. gallisoniensis* — This is reported to be the hardiest variety, but I have never seen it.

*M. g. lanceolata (exoniensis)* — This Exmouth magnolia has a narrow pyramidal habit, which is commendable, but it takes many years for a young plant to bloom. The leaves are narrower than those of the species, rusty tomentose beneath. It originated from seed in England before 1800 and was widely distributed by the Veitch nursery firm there.

Goliath — A popular variety in England, with large flowers up to 12 inches in diameter and broad leaves, rounded and blunt at the end, glossy green, first distributed by the Caledonia Nursery, on the Isle of Guernsey, probably before 1910 (?). I have not seen it in America and so do not know whether it is superior to the species or not.

It should be mentioned here that the National Arboretum is growing some interesting *M. grandiflora* hybrids, some of which may prove highly desirable ornamentals when

## QUALITY LANDSCAPE ITEMS

Each  
Per 25  
and up

### ILEX CONVEXA and ILEX CONVEXA HETZI

|                                 |        |
|---------------------------------|--------|
| 15 to 18 ins., B&B, heavy ..... | \$2.25 |
| 18 to 24 ins., B&B, heavy ..... | 2.75   |
| 24 to 30 ins., B&B, heavy ..... | 3.50   |

### ILEX ROTUNDIFOLIA

|                                 |      |
|---------------------------------|------|
| 15 to 18 ins., B&B, heavy ..... | 2.00 |
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| 30 to 36 ins., B&B, heavy ..... | 3.50 |

### GOTONEASTER APICULATA

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|--------------------------|------|
| 18 to 24 ins., B&B ..... | 2.75 |
| 24 to 30 ins., B&B ..... | 3.25 |

### EUONYMUS ALATUS COMPACTUS

|                        |      |
|------------------------|------|
| 2½ to 3 ft., B.R. .... | 1.50 |
|------------------------|------|

### THUJA OCCIDENTALIS WOODWARDI

|                    |      |
|--------------------|------|
| 15 to 18 ins. .... | 1.35 |
| 18 to 24 ins. .... | 1.65 |

Japanese beetle certified. Truck delivery. Part loads can be arranged.

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## TAXUS CUSPIDATA

(Spreading Yew)

Strong cuttings, heavily rooted.

## THUJA PYRAMIDALIS

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Rooted cuttings. 6 to 8 ins.,  
\$75.00 per 1000; \$40.00 per 500.

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## ILEX CRENATA GLOSSY

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Habit of growth is slightly faster and more compact than *Ilex crenata convexa*. Its glossy, dark green, convex foliage seems waxed with a brilliant luster. Extremely hardy. These outstanding features make it the sensational *Ilex* of its class.

Lining-out, from beds  
2-yr., 6 to 9 ins., 45¢ each per 100

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MENTOR, OHIO

Field-Grown

|                          | Each<br>Per 10 | Each<br>Per 100 |
|--------------------------|----------------|-----------------|
| 12 to 15 ins., B&B ..... | \$3.00         | \$2.50          |
| 15 to 18 ins., B&B ..... | 3.50           | 3.00            |
| 18 to 24 ins., B&B ..... | 4.50           | 4.00            |

NO SHIPPING ON B&B PLANTS

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A. SHAMMARELLO & SON NURSERY  
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South Euclid 21, Ohio



more is known of their particular characteristics.

*St. Mary*—Originated before 1950 at the Glen St. Mary Nursery, Glen St. Mary, Fla. Blooms at an earlier age than most *M. grandiflora* seedlings, but is especially named for the deep and conspicuously brown undersurface of the leaves.

*M. liliflora nigra*: 9, zone 6, China, purple lily magnolia—This variety has darker reddish-purple flowers than does the species, the petals being four to five inches long and larger than those of *M. liliflora*. This is the hardiest of the *M. liliflora* varieties, but does not seem to last indefinitely in the vigorous climate of Boston, Mass. It is actually a bush, not a tree. The flowers appear over a period of several weeks, starting in late May or early June, usually with the leaves.

*M. loebneri Merrill*: 50, zone 4, (*stellata* x *kobus*) — This cross was made in the Arnold Arboretum in 1939, and the resulting hybrid is a vigorous-growing tree, blooming at the same time as *M. kobus* and *stellata* (late April) with larger white flowers (often 15 petals) than either species. One of the best and most vigorous of the early white-flowering magnolias.

*M. macrophylla*: 40, zone 5, Kentucky to Arkansas, bigleaf magnolia—This has the largest leaves and flowers of any of the hardy magnolias (larger leaves than any other hardy native tree in North America) and because of this should not be used in any planting exposed to winds, since the leaves can be easily ripped and torn. The leaves are 15 to 25 inches and sometimes up to 36 inches long, as much as seven to 12 inches wide. The creamy-white, fragrant flowers may be eight to 14 inches in diameter, appearing in early July after the leaves are fully developed. It should be used with extreme care, chiefly to achieve exotic or tropical effects.

*M. nitida*: 30, zone 8, Yunnan, China, shinyleaf magnolia — Evergreen leaves two and one-half to four and one-half inches long and one to two inches wide, with fragrant, creamy-white flowers (crimson on the outside) two to three inches in diameter during late March and early April. Usually this is a rounded bush, sometimes a tree thinly clothed with foliage. Has limited usefulness in the United States because of its lack of hardiness.

*M. obovata*: 90, zone 5, Japan, whiteleaf Japanese magnolia — Although appearing after the leaves have developed, in early June, the creamy-white, strongly scented flowers, eight inches in diameter, are

# 7500 NONPATENTED ROSES

IN A GOOD ASSORTMENT OF COLORS,  
NORTHERN-GROWN,  
NUMBER ONE,  
GENEROUSLY GRADED

**\$2625.00** — for the full lot.

**\$1687.50** — for half of the lot.

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**Spring, 1960**

**White-Flowering Dogwood**, single or clump form, 6 to 12 ft., well-budded, all sizes.

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**Austrian Pine**, specimen, 4 to 5 ft. Medium grade, 3 to 8 ft., for highway bidding sales, etc.

**Euonymus alatus**, 4 to 5 ft. and 5 to 6 ft.

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### LINERS

Some of the best we've had in years... open field, bed grown. Just right for field planting or use the larger sizes for potting and immediate resale.

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### 4-YR., XX

|  | Each<br>Per 100 | Each<br>Per 500 | Each<br>Per 1000 |
|--|-----------------|-----------------|------------------|
| <i>Taxus cuspidata</i><br>8 to 10 ins.<br>heavy .....          | \$0.50          | \$0.45          | \$0.40           |
| <i>Juniper, Pfitzer</i><br>and <i>Hetz</i><br>6 to 9 ins. .... | .40             | .35             | .30              |
| 9 to 12 ins. ....  | .50             | .45             | .40              |
| <i>Juniper, Hetz</i><br>12 to 15 ins. ....                     | .65             | .60             | .55              |
| <i>Arborvitae, Dark Green</i><br>9 to 12 ins. ....             | .50             | .45             | .40              |
| 12 to 15 ins. ....   | .60             | .55             | .50              |
| <i>Arborvitae, Woodward</i><br>6 to 9 ins. ....                | .45             | .40             | .35              |
| 9 to 12 ins. ....  | .55             | .50             | .45              |

No packing charges.

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Hydrangea P. G. (Tree Form)  
Ornamental Trees  
Grapevines, 1-yr. and 2-yr.

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conspicuous. The leaves, eight to 18 inches long and half as wide, are bluish white on the underside. This is better for garden use than the native *M. tripetala*, which has smaller flowers of a disagreeable odor. Still, it is a coarsely leaved tree, not good for wind-swept situations, but useful in creating exotic effects.

*M. rostrata*: 40 to 80, zone 9 (?), Yunnan, China—This is an excellent foliage tree, with leaves up to 20 inches long and eight and one-half inches wide. The flowers appear in June and July after the leaves are fully developed, are pale pink to white and are disappointingly small for the large leaves. The leaves are the largest of any Asiatic magnolia, rivaled only by those of our native *M. macrophylla* for size. It should be considered useful for its foliage only; otherwise it might well be omitted from planting.

*M. salicifolia*: 30, zone 5, Japan, anise magnolia—The aromatic odor of the leaves when crushed is what gives this densely branched, pyramidal magnolia its common name. The leaves are narrow, one and one-half to four inches long; the flowers white, three to four inches in diameter, before the leaves appear in late April or early May. A good foliage tree, as well as a good ornamental in flower.

*M. s. fasciata* — Branches are densely upright, making an almost columnar plant. I do not know whether a plant of this species is now growing in America.

*M. sargentiana robusta*: 40, zone 7, W China—One of the most beautiful of all magnolias, better than the species, because the flowers are larger, eight to 12 inches in diameter; the leaves are longer, five and one-half to eight inches, and it will bloom more quickly as a young plant than the species (when about 12 years old). Also—this is even more important—the beautiful white and mauve-pink flowers are profusely borne all around the small tree, while the species, being a tall tree, has the flowers mostly at the top.

*M. sieboldi (parviflora)*: 30, zone 6, Japan, Korea, Oyama magnolia—Small, white, waxy flowers, three to four inches in diameter, with the center a mass of magenta-purple stamens, and distinctly fragrant, are borne on this small tree in May. The leaves are three and one-half inches long. The plant is not long-lived (25 years), but the branches root readily wherever they touch moist ground.

*M. soulangiana*: 15, zone 5, (*denu- data x liliflora*), saucer magnolia — A cross made by one of Napoleon's retired soldiers, about 1820. Un-

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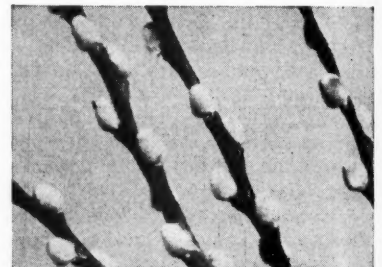
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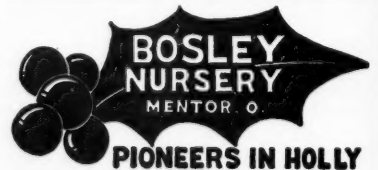
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doubtedly many other crosses have been made since, most of the plants being large shrubs or small trees with varicolored, large, cup-shaped flowers, blooming just after *M. stellata*, *kobus*, *salicifolia* and *denudata*, but just before *M. liliflora*. It is best to select the better of the named clones for asexual propagation. Varieties of this species are:

*Alba* (syn. *Superba*, *Alba Superba*)—Introduced 1867 by Louis Van Houtte, Belgium. Flowers white, outside of petals light purplish. The tree is compact.

*Alexandrina*—Introduced 1831, Paris, France. Flowers flushed rose purple outside, inside of petals pure white. One of larger and earlier-flowering varieties.

*Andre LeRoy*—Introduced 1900, Barbier, Orleans, France. Flowers are dark pink to purplish on the outside (color close to that of *Verbanica*). The petals are white inside and the flowers are decidedly cup shaped.

*Burgundy*—Introduced 1930 by W. B. Clarke & Co., San Jose, Calif. Flowers are the deep purple color of Burgundy wine, appearing earlier than those of most other varieties.

*Brozzoni*—Introduced 1900, Barbier, Orleans, France. When wide open, the flowers are 10 inches across, making this one of the largest-flowered varieties of the *M. soulangiana* group. The outside of the petals is tinged a pale purplish rose, but, all in all, it is considered one of the best of the white-flowered varieties.

*Grace McDade*—Introduced 1945, C. McDade, Semmes, Ala. Flowers are white, with pink at the base of the petals.

*Lennei*—Introduced 1852, originated in Florence, Italy. This has the darkest purplish-magenta flowers of this group (not so dark as *M. liliflora nigra*). *Rustica* has more red in the flowers.

*Liliputin*—Originated in the Semmes Nurseries, Crichton, Ala., a few years ago, with smaller flowers and smaller habit than most *M. soulangiana* varieties. It is slow in growth. The variety sold under the name *Late Soulangiana* is similar in every way, although this supposedly came from England.

*Lombardy Rose*—Introduced before 1957 by C. McDade, Semmes, Ala. Lower surface of the petals is dark rose, upper surface white. This is a seedling of *M. soulangiana lennei* with flowers continuing to bloom for several weeks.

*Rustica* (syn. *Rubra* or *Rustica Rubra*)—Introduced about 1893, Boskoop, Holland. Flowers are more rose red than those of *Lennei*, but they are somewhat similar, five and

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| Norway Pine                 |      |       |
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| Douglas Fir, Snowy Mountain |      |       |
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by A. F. den Boer. 226 p., illus. (1959). \$4.95.  
American Nurseryman Chicago 4, Ill.

one-half inches in diameter. The inside of the petals is white, but the general effect is redder than that produced by flowers of *Lennei*.

*Speciosa*—Introduced before 1830 in France. The flowers are almost white, six inches across, similar to those of *Alba*, with a trifle more color than those of *Brozzoni*. It is important because it is the last of this group to bloom. Upright, tall and fast growing.

*San Jose*—Originated about 1938, San Jose, Calif. Flowers are larger than many other varieties, rosy purple, fragrant and vigorous growing. Blooms earlier than most other *M. soulangiana* varieties; said to be deeper colored than most forms, with the exception of *Lennei*.

*Verbanica*—Flowers outside a clear rose pink, inside white. This is one of the late bloomers, making a beautiful effect when most of the other varieties are dropping their petals. Slow growing.

*M. sprengeri diva*: 60, zone 7, China, Sprenger magnolia—A beautiful dark rose-colored magnolia (light pink inside the flowers), with fragrant flowers eight inches in diameter, opening in March before the leaves appear. The leaves are only four inches long.

*M. stellata (halleana)*: 20, zone 5, Japan, star magnolia—Double, white fragrant flowers, three inches or more in diameter, appearing in late April before the leaves. The flowers contain 12 to 15 narrow petals. One of the hardiest of the Asiatic magnolias, usually more of a tall shrub than a tree. An excellent and popular ornamental specimen. We have grown many seedlings of *M. stellata*, as have others, and it must be said that many of the seedlings are inferior flowering plants, showing faults, in height and in fewer petals, that one finds in *M. kobus*. Hence this species, if it is a species, should not be grown from seeds, but from cuttings taken from a good clone.

*M. s. rosea*—Pink star magnolia. Flower buds pink, flowers usually white. This is mostly disappointing in flower, since by the time the flowers are fully open they have faded completely white.

*M. s. rubra*—Red star magnolia. Flowers purplish rose, imported from Japan about 1925. Another form of this was purportedly raised at Boskoop, Holland, by Messrs. Kluis, before 1948. The flower color was noted as being fuchsia purple 28/3 of the Royal Horticulture Society color chart. It is said to have been a chance seedling in a batch of *M. stellata*. I have not yet seen this in flower, but J. H. Johnstone notes that the flower

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color is vastly superior to that of *M. stellata rosea*.

There are several other seedlings of *M. stellata* with purportedly "red" flowers which may well merit further trial. K. Sawada, of the Overlook Nurseries, Mobile, Ala., raised one in 1946 and calls it Red. The flowers are three to four inches in diameter with 10 to 16 petals. The outside of the petals is a dark purplish red, the inside is white, but he claims that when the tree is in bloom the general appearance is redder than that of some forms being sold under the varietal name of *rubra*. The Arnold Arboretum is growing these forms together and some time will be able to say just which is best. Since the early-flowering magnolias, in the north at least, all have white flowers, a premium should be placed on the best of these with colored flowers.

*M. stellata Waterlily* — Originated at Greenbrier Farms, Inc., Norfolk, Va., prior to 1939. It is more upright, bushier and more twiggy than *M. stellata*. The flower buds are pink, the flowers eventually white, becoming slightly larger, with narrower petals. It has always been assumed to be a cross of *M. stellata* x *soulangiana*, but it looks much like *M. stellata*. Paul Vossberg writes that 1,000 seedlings of *Waterlily* were grown on Long Island and not one showed any traces of *M. soulangiana* or its parents *M. liliflora* and *M. denudata*.

*M. thompsoniana*: shrub, zone 6, (*tripetala* x *virginiana*), Thompson magnolia — Originating about 1808, this hybrid has leaves four to 10 inches long, glaucous beneath and otherwise similar to those of *M. virginiana*. The creamy-white flowers are four and one-half to six inches in diameter, hence larger than those of *M. virginiana* and they are more globular as well, appearing in late June and July after the leaves have been fully developed.

*M. veitchii*: 30, zone 7, (*campbelli* x *denudata*), Veitch magnolia — Originating in 1907 in England, this hybrid magnolia has vigorous growth, leaves six to 12 inches long and bluish-pink flowers six inches in diameter in April before the leaves appear. A good plant for its foliage as well as its flower.

*M. virginiana (glauca)*: 60, zone 5, Eastern U. S., sweet bay magnolia — A native shrub or tree from Massachusetts to Florida, one of the most fragrant of all the magnolias, with 3 to 5-inch leaves, whitish on the underside and white, waxy, fragrant flowers in late June and July. In the far south the leaves are evergreen, but deciduous in the north.

*M. watsoni*: 30, zone 5, (*obovata* x

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*sieboldi*), Watson magnolia — First known in France in 1889, but originally from Japan. This small tree has leaves four to eight inches long and fragrant saucer-shaped flowers that are pink with a ring of prominent crimson stamens in the center. It has larger flowers and leaves than *M. sieboldi*, a closely similar magnolia. The flowers are borne in late June and July after the leaves have been fully developed.

*M. wilsoni*: 24, zone 6, W China, Wilson magnolia — A magnolia easy to grow, often with a second crop of white, saucer-shaped, fragrant and pendulous flowers in August. They are three and one-half to four inches in diameter with a ring of red stamens in the center. The leaves are four to six inches long.

## Magnolias to Discard

- A—similar to species.
- B—no better than recommended species.
- C—of no ornamental value.
- ashei B—24, zone 6, Florida. Flowers smaller than those of *M. macrophylla* but it flowers when only one to two feet tall.
- biondi B—zone 6, China. Closely related to *M. salicifolia*.
- campbelli B—Takes 20 to 25 years to bloom for first time. When it eventually flowers, the crimson to white 10-inch fragrant flowers are among the most beautiful.
- cylindrica—extremely rare, closely related to *M. kobus*.
- delavayi C—30, zone 7, W China. Evergreen; flowers at age of 9 to 10 years, but not a generous display. Flowers seven to eight inches in diameter, cup shaped and fragrant, creamy white from mid-July to September. Has larger leaves than *M. grandiflora*.
- globosa B—20, zone 7, Himalayas. Leaves four to 10 inches long, flowers fragrant, creamy white.
- highdownensis B—closely related to *M. wilsoni*.
- kobus B—30, zone 5, Japan. Hardest of Asiatic magnolias; best used as understock on which to graft better types.
- kobus borealis B—75. Not a free bloomer while young; may take 22 years before any flowers are produced. Merrill is much superior.
- liliflora B—petals only three inches long, while those of variety *nigra* are four to five inches long.
- liliflora gracilis B—smaller than species in every way.

[Continued on next page]

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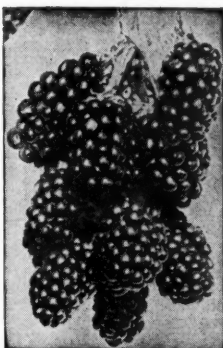
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loebneri (stellata x kobus)—select named clones only.

officinalis B—20 to 50, zone 6, China. Leaves 14 to 21 inches long, five to 10 inches wide; flowers white, fragrant, cupped, six to eight inches in diameter; often confused with M. obovata, but latter is hardier and has better foliage.

officinalis biloba A—merely with leaves notched at the end.

proctoriana C.

pyramidata—30, zone 6, Georgia to Alabama. Pyramidal tree, confused sometimes with M. fraseri, leaves less than eight inches long, flowers only three to five inches in diameter.

sargentiana B—75, zone 7, W China. Flowers similar to those of M. denudata, but pink, eight inches in diameter, open before leaves in April or May; leaves four to eight inches long; makes a rather spindly tree. The variety robusta is much better.

sinensis B—zone 7, W China. Bush up to 16 feet; leaves four and one-half inches

long, flowers pure white, fragrant, start in May after appearance of leaves. Has a sprawling habit and very irregular trunk.

slavini, Slavin's Snowy (M. salicifolia x soulangiana) — originated before 1917 in Highland park, Rochester, N. Y. First flowered in 1917 with six to seven petals about three and one-fourth inches long. An upright, dense, pyramidal tree, but M. loebneri Merrill has the larger and more conspicuous flowers.

soulangiana C—use named clones.

Amabilis B—differs little from other varieties.

Candolleana B—differs little from other varieties.

George Henry Kern B—Plant patent No. 820 granted January 11, 1949.

Highland Park (2636, AA 885) C—flowers brownish.

Lennei alba B.

Norbertiana B.

purpurea B—probably a name applied to miscellaneous purple-flowered seedlings.

Spectabilis B—Brozzoni is better.

Triumphant B—resembling somewhat the variety Rubra or Rustica, not rated as outstanding by W. B. Clarke & Co., San Jose, which has discontinued it.

sprengeri, elongata B—differs little from other species.

tripetala B—36, zone 4, Pennsylvania to Mississippi and Arkansas. Often used as understock for grafting other species and varieties. M. obovata has better flowers.

tripetala variegata C—variegated foliage, none too ornamental.

virginiana australis A.

wilsoni taliensis A.

## More Trial Needed

M. kobus nana compacta—Originated in the old Kohankie Nursery, Painesville, O., before 1950. A compact foliage plant and slow growing.

[Concluded on next page]

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## Blackberry

|                          |        |         |          |
|--------------------------|--------|---------|----------|
| Ebony King, new, T. .... | 10     | 100     | 1000     |
| No. 1, R. C. ....        | \$3.00 | \$29.00 | \$150.00 |
|                          | 2.00   | 15.00   | 100.00   |

## Red Raspberry

|   |         |         |
|---|---------|---------|
| Latham, T. ....                           | 100     | 1000    |
| 1-yr., No. 1 ....                         | \$10.00 | \$80.00 |
| Durham, fall bearing, T. ....             | 8.00    | 65.00   |
| 1-yr., No. 1 ....                         | 10.00   | 80.00   |
| Indian Summer, fall bear-<br>ing, T. .... | 8.00    | 65.00   |
| 1-yr., No. 1 ....                         | 10.50   | 85.00   |
|   | 8.50    | 70.00   |

## Red Rhubarb

|                                 |        |         |
|---------------------------------|--------|---------|
| Canada Red, No. 1 Division .... | 10     | 100     |
| McDonald, No. 1 Division ....   | \$3.50 | \$30.00 |
|                                 | 3.50   | 30.00   |

## Horseradish

|                            |        |        |
|----------------------------|--------|--------|
| Cuttings, 4 to 6 ins. .... | 10     | 100    |
| Whole Roots ....           | \$1.00 | \$4.50 |
|                            | 1.50   | 7.50   |

## Gooseberries

|                   |        |         |
|-------------------|--------|---------|
| Pixwell           | 10     | 100     |
| 3-yr., heavy .... | \$4.00 | \$35.00 |
| 2-yr., No. 1 .... | 3.50   | 30.00   |
| Houghton          |        |         |
| 3-yr., heavy .... | 4.00   | 35.00   |
| 2-yr., No. 1 .... | 3.50   | 30.00   |

## Victoria Rhubarb

|                      |         |          |
|----------------------|---------|----------|
| 1 1/2 to 2 ins. .... | 100     | 1000     |
| 1 to 1 1/2 ins. .... | \$12.50 | \$100.00 |
| 3/4 to 1 in. ....    | 7.50    | 60.00    |
| 1/2 to 3/4 in. ....  | 6.00    | 45.00    |
|                      | 4.50    | 30.00    |

## Asparagus

|                   |        |         |
|-------------------|--------|---------|
| Washington        | 100    | 1000    |
| 3-yr., heavy .... | \$4.50 | \$30.00 |
| 2-yr., No. 1 .... | 8.00   | 20.00   |
| 1-yr., No. 1 .... | 2.50   | 15.00   |

## Blueberries

Rancocas, early; Rubel, midseason; Jersey, late

|                                       |        |        |         |
|---------------------------------------|--------|--------|---------|
| 2-yr., 9 to 12 ins. ....              | Each   | 10     | 100     |
| 3-yr., 12 to 18 ins. ....             | \$0.40 | \$3.50 | \$32.50 |
| 4-yr., 18 to 24 ins., fruit buds .... | .55    | 5.00   | 47.50   |
| 5-yr., 24 to 36 ins., fruit buds .... | .75    | 7.00   | 67.50   |
|                                       | 1.00   | 9.00   | 87.50   |

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| Missionary | 4.00      |
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### LATE VARIETIES

|                  |      |
|------------------|------|
| Robinson         | 6.00 |
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The leaves are small, and the flower is as yet unknown.

*M. grandiflora* x *virginiana*—Hybrids are being grown at the National Arboretum for further trial and hardiness tests.

*M. kewensis* (*M. salicifolia* x *kobus*)—Originated as a seedling at the Royal Botanic Gardens, Kew, England, in 1938 and first flowered in 1951. Flowers are pure white, leaves are four to five inches long.

## INDIANA GROUP ELECTS

At the annual business meeting of the Indiana Arborists' Association, held February 19 at the Hotel Roberts, Muncie, new officers for the group were elected as follows: President, Rex Wilkinson, Muncie Tree Surgery Co., Muncie; vice-president, Kenneth Flaig, Indiana & Michigan Electric Co., Fort Wayne, and secretary-treasurer, John I. Harley, Indianapolis Power & Light Co., Indianapolis. Newly elected directors are Donald Townsend and Paul Ramsey.

The possibility of hiring a full-time executive secretary was discussed, and the matter was turned over to the executive committee for a decision. It was announced that the summer meeting will be held September 11 at the recreation center of the Indianapolis Power & Light Co., on Blue Bluff road just north of Martinsville.

D. L. S.

## KANSAS HONOR QUINLAN

At the 25th anniversary meeting of the Association of Kansas Landscape Architects, held March 6 at Kansas State University, Manhattan, Kan., there was a record attendance of 80. The meeting had been postponed a week because of adverse weather, and snowstorms almost caused a second delay.

At the business meeting, all officers were re-elected for another year as follows: President, Miles W. George, superintendent, Maple Grove cemetery; vice-president, Charles L. Broadwell, division landscape architect, state highway commission, Topeka, and Lloyd M. Copenhafer, assistant landscape architect, state highway commission, Topeka, treasurer.

A special feature of the program was the presentation to Prof. Leon R. Quinlan, of Kansas State University, of an honor plaque, made with an engraved plate mounted on a walnut base. The award marked Professor Quinlan's 25 years of outstanding leadership in the Association of Kansas Landscape Architects



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and devoted service to the profession of landscape architecture. He has been associated with the university for 32 years.

Harold Crawford, Willis Nursery Co., Ottawa, Kan., made the presentation to Professor Quinlan as a charter member of the A. K. L. A. and representing the other 18 charter members.

The theme of the general program was the flora and fauna of the proposed Grasslands national park, to be located in central Kansas. Speakers were members of the staff of K. S. U.

## SOUTHERN RESEARCH

Recently issued was the fourth Annual Report on Ornamental Research in Southern States as compiled by the research workers' conference of the Southern Nurserymen's Association. This 44-page publication is furnished without charge to all members of the southerners' association, research workers and cooperating colleges and universities.

While the supply lasts, this research report will be furnished to others who may be interested at \$1 per copy, to help defray cost of printing and postage. Those desiring a copy may forward their remittance and order to D. P. Henegar, executive secretary, Southern Nurserymen's Association, P. O. Box 57, McMinnville, Tenn.

C & O NURSERY, Wenatchee, Wash., recently purchased a 5-acre pear orchard for eventual development into a nursery.

CORBIN SUPPLY CO., Fort Myers, Fla., has added a new, \$60,000 garden supply center to its operation.

## BARGAINS for SPRING, 1960

### HEAVY, 2-yr. APPLE

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\$5.50 per 10; \$50.00 per 100.

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Grimes Golden  
Horse  
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Mammoth Black Twig

### Combination Apple

5-N-1, 4 to 5 ft., \$1.50 each  
4-N-1, 4 to 5 ft., \$1.00 each  
3-N-1, 4 to 5 ft., \$0.75 each

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Hopa, Eleyl, Almey, Cowichan, Red Silver, Aldenham, Scheideckerl, Dolgo  
5 to 6 ft., well-br., \$1.00 each  
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|----------------------|--------|----------------------|--------|
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### CARE AND FEEDING OF GARDEN PLANTS

By 14 specialists  
Chapters include lawns, shrubs, trees, house plants, fertilizers, vegetables and small fruits. Soil feeding and fertilizers given special attention. 40 p. illus. in color. 184 p. (1954)...\$3.00

### THE NATURE AND PROPERTIES OF SOILS

By Lyon, Buckman and Brady  
Covers plant nutrients, physical properties, organisms, organic matter, soil water, control of soil moisture losses, origin of soil materials, soil formation, liming and fertilizers. 591 pages. (1952) \$6.00

### OUR GARDEN SOILS

By C. E. Kellogg.  
How to maintain proper amounts of organic matter and moisture, how to control soil acidity and how to balance plant nutrients. 232 p. (1952) \$4.00

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# Street Trees Discussed at Southwest Shade Tree Meeting

By Joe Folkner

The second southwest shade tree conference was held at the University of Arizona Student Union building March 4, with the 110 persons attending representing various fields interested in the growing and maintaining of shade trees. Park executives, power company officials and professional treemen were in attendance with California, Nevada, New Mexico and Arizona represented.

Joe Folkner, department of horticulture, University of Arizona, discussed tree selection for landscape use, stressing the trend away from large trees to the small and medium multi-stemmed, spreading-type trees which are more compatible with the ranch house type of residential architecture. Dr. Ernest Jensen, New Mexico State University, showed slides of a number of small trees that are adaptable in the southwest. Of the evergreen types, the Japanese privet and olive are probably the most widely used, with the mimosa being a favorite in the deciduous group.

Maunsell Van Rensselaer, director of the Saratoga Horticultural Foundation, Saratoga, Calif., was unable to attend, and in his place Keith Davey, Davey Tree Surgery Co., San Francisco, Calif., discussed the work of the foundation. It is a nonprofit organization, established 10 years ago for research in improving trees valuable for street purposes. The environment of street trees has changed considerably during the past generation, particularly in space limitations and a higher concentration of automobile engine exhaust gases in the air.

## Work of Foundation Described

The foundation has requested people to observe and call attention to trees that exhibit outstanding characteristics, such as performance under adverse conditions, excellent growth and structure and, of course, resistance to disease and insect infestation. These trees are grown and observed at the foundation, and outstanding clonal selections are propagated and made available to commercial nurseries and municipal organizations. In addition to selecting and releasing individual lines, the foundation develops, through research, the best means of propaga-

tion, either the specific germination requirements of seeds, or the proper budding or grafting method particular to the species. In the past 10 years about 25 trees have been screened in this manner. The result for street tree purposes is a line which has a uniform structure and growth habit.

The fledgling Arizona state parks program was discussed by Howard Cox of the state board. At the moment the program is concerned primarily with the acquisition and preservation of historical structures and sites in Arizona. Mr. Cox pointed out the admirable work of the national park service at Tumacacora Mission national monument, near Nogales, Ariz., in the assembling of trees and shrubs indigenous to the area and planting them on the mission grounds, with each tree properly labeled.

Bernard Benson, assistant director of the Boyce Thompson Southwestern Arboretum, at Superior, Ariz.,

gave a resume of the work done there over the preceding 32 years and specifically that dealing with eucalyptus, one of the few large trees adapted to the desert areas of the southwest. Two hundred species have been grown, with 60 species of mature trees growing today. The eucalyptus as grown in the United States freely cross-pollinizes. The only source of pure seed is, therefore, Australia, where large pure stands of one species exist in various areas.

Most of the eucalyptus grown in the southwest come from the south and west of Australia, with many of the species originating in the Murray river region, such as *Eucalyptus rostrata* and *Eucalyptus bicolor*. There are many species of eucalyptus which have been proved adaptable, but as yet are not accepted by the trade. Mr. Benson also pointed out the need for use of smaller species of eucalyptus rather than the large ones in residential landscape work.

## Eucalyptus Propagation

Ian Price, a graduate student in the department of horticulture at the University of Arizona, presented his work with the vegetative propagation of eucalyptus. Mr. Price was

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selected by the Royal Horticultural Society of Great Britain to study at the University of Arizona under a grant by the university and the Boyce Thompson Institute.

Previously it has been widely accepted that it is nearly impossible to propagate the eucalyptus vegetatively. During the past year Mr. Price, using various types of firm and softwood cuttings and various rooting hormones, coupled with intermittent mist and perlite as a rooting medium, has achieved promising results. The most promising technique consists of using firm wood cuttings and 10,000 parts per million divided equally between indolebutyric acid and naphthalene acetic acid. The cuttings callused and initiated roots along the stem above the callus.

Gene Reid, superintendent of parks for the city of Tucson, Ariz., reviewed the rapid growth of the parks program in Tucson. Tucson, like many cities in the west and southwest, has a rapidly expanding population and, keeping pace with that, a rapidly expanding park program. In 13 years the park system has expanded from one 18-hole golf course and eight acres of parks to two 18-hole golf courses and 800 acres of parks distributed about the city.

The park system maintains a nursery and grows most of the trees planted in the parks. As the trees are developed, each is irrigated by a sprinkler system with automatic time clocks which turn the sprinklers on during the early morning hours when the parks are not in use. The system has a specially trained tree trimming crew and conducts a continuous training program for employees. By using specialized equipment, a 5-man mowing crew mows the 800 acres of lawn once a week.

Roy Wells, Culver City, Calif., president of the Western chapter, National Shade Tree Conference, in

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discussing various tree problems that confront the city and the individual homeowner, emphasized long-range planning and consideration of the aesthetic and the practical effect of a street tree program. His point is that a visitor to a community expects such a community to have good fire protection and police protection, but that, if it has a well-planned and well-maintained street tree planting program, he is impressed with the fact that the community is outstanding and has something different in addition to the normal city services.

In California many communities have ordinances governing planting, care and protection of trees. The state of California also has laws in its statutes covering the same. For purposes of law, trees are considered real property, and it is a misdemeanor or in certain instances a felony to willfully destroy or injure a tree on public or private property or native trees on highway right of ways. In the selection of street trees, certain practical considerations, in addition to the aesthetic ones, must be considered, Mr. Wells said. These are space limitations, width of street, overhead obstructions, underground utilities, street lights, setback of structures and species of trees adapted to the particular environment. Other things to be considered are freedom from pests, soil adaptability, size and shape of a tree and other factors, including beauty. Safety is never sacrificed for beauty in making a selection.

Mr. Wells also briefly discussed some of the problems an administrator encounters in dealing with members of a park commission or city council. One of the commonest differences of opinion is that between the professional man and the layman when it comes to selection of tree species.

### Tucson Tree-Planting Program

The next speaker, William Schildmacher, landscape architect for school district No. 1, Tucson, outlined this city's tree-planting program, which stresses soil preparation and protection against vandalism. There is a saying in the southwest and west that for maximum results one should plant a \$2 tree in a hole that cost \$25 to prepare.

Prof. Steve Fazio, department of horticulture, University of Arizona, discussed proper pruning of southwest tree species, particularly the fruitless mulberry, which is the most widely planted of deciduous trees in Arizona, Nevada and New Mexico. He illustrated his talk with color slides. Pruning is a new field to peo-

# BROAD-LEAVED EVERGREENS

Choice landscape material  
at attractive prices.

*Buxus sempervirens*, 12 to 15 ins. to 2 to 2 1/2 ft.

*Elaeagnus fruticosa*, 1 1/2 to 2 ft. to 4 to 5 ft.

*Euonymus kiautschovicus*, 1 1/2 to 2 ft. to 4 to 5 ft.

*Ilex burfordi*, 1 1/2 to 2 ft. to 4 1/2 to 5 ft.

*Ilex cassine*, 3 to 4 ft. to 5 to 6 ft.

*Ilex convexa (bullata)*, 12 to 15 ins. to 2 1/2 to 3 ft.

*Ilex rotundifolia*, 15 to 18 ins. to 3 to 3 1/2 ft.

*Ilex opaca howardi*, 2 to 3 ft. to 4 to 5 ft.

*Ilex vomitoria*, 3 to 4 ft.

*Ligustrum japonicum*, 2 to 3 ft. to 4 to 5 ft.

*Ligustrum lucidum*, 1 1/2 to 2 ft. to 5 to 6 ft.

*Ligustrum lucidum repandens*, 1 1/2 to 2 ft. to 4 1/2 to 5 ft.

*Osmanthus fortunei*, 1 1/2 to 2 ft. to 3 to 4 ft.

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# SILVER MAPLES

|                              | Per 10  | Per 100  |
|------------------------------|---------|----------|
| 5 to 6 ft., T., br. ....     | \$ 5.00 | \$ 40.00 |
| 6 to 8 ft., T., br. ....     | 7.50    | 60.00    |
| 8 to 10 ft., T., br. ....    | 9.00    | 75.00    |
| 1 1/2 to 1 3/4-in. cal. .... | 10.00   | 90.00    |
| 1 3/4 to 2-in. cal. ....     | 15.00   | 125.00   |
| 2 to 2 1/4-in. cal. ....     | 25.00   | ....     |

Large quantities available.

# LOMBARDY POPLARS

|                           |      |       |
|---------------------------|------|-------|
| 2 to 3 ft., C. ....       | .60  | 4.00  |
| 3 to 4 ft., C. ....       | .75  | 6.00  |
| 4 to 6 ft., C. ....       | 1.00 | 9.00  |
| 5 to 6 ft., T., br. ....  | 2.50 | 20.00 |
| 6 to 8 ft., T., br. ....  | 4.00 | 30.00 |
| 8 to 10 ft., T., br. .... | 6.00 | 45.00 |

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2-yr., T., our special conservation grade, \$45.00 per 1000. Well-rooted liners, \$10.00 per 1000.

Visit our nursery. We have 30 acres of quality nursery stock to show you.

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ready for sale.

Write for price list.

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ARE YOU GETTING ALL  
YOU SHOULD WHEN YOU  
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CAIN'T BE BEAT  
AN' LOOKEE HOW  
THEY HELPS YO' SELL!**

- Free Distinctive Tags for Every Plant.
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## PACKAGED STRAWBERRY PLANTS

**Certified and Virus Free  
Grown in the Ozarks of Missouri**

Choice, well rooted, in bundles of 25, each packed in polyethylene, wrapped with attractive picture label and complete growing guide. Ideal for your retail trade.

**Blakemore, Dunlap, Tennessee Beauty, Robinson, Aroma, 40-bundle crate, \$14.00.**

**Pocahontas, Dixieland, Armore, Surcrop, 40-bundle crate, \$15.00.**  
**Streamliner, Everbearing, 40-bundle crate, \$16.00.**

Bulk plants in bundles of 25, **Blakemore, Dunlap, Robinson, Tennessee Beauty, Aroma, per 1000 plants, \$7.50.**

**Pocahontas, Dixieland, Armore, Surcrop, 1000 plants, \$9.00.**  
**Streamliner, Everbearing, 1000 plants, \$12.50.**

Plants well packed, prompt shipment, all strictly labeled to name. Live arrival guaranteed.

**SHANK FARMS  
Granby, Mo.**

ple migrating from other states, and as yet the public and, in most instances, landscape maintenance men have not been properly instructed in the reasons for pruning or in the correct methods.

In Tucson it is common practice for gardeners and homeowners to dehorn all tree species, with the result that they give the appearance of a hat rack. Such pruning has probably been derived from the pruning of the Chinaberry tree, which is dehorned in this manner. The Chinaberry, widely planted in the early days, bears an abundant crop of hard, marble-size berries, which under most conditions are an objectionable feature. People found that these berries were borne on the second-year wood and that, if the tree were pruned back severely each year, it would grow out with a dense head bearing no berries. Most people came to accept this practice as the proper pruning for all trees. The resultant growth of most trees is poor, and if such pruning is long continued, they will decline.

The conference closed with a tour of the campus during which some 60 separate mature species of trees were pointed out to the group and two demonstrations on large trees were given, one a cabling demonstration on a large Arizona ash, conducted by the Adams Tree Service, Tucson, and the other a pruning demonstration on a 60-foot high eucalyptus, carried out by a crew from the McPhedran Tree Surgery Co., Tucson.

### AIDS GOOD-WILL TOUR

Specimen plants of the new Sparkling Burgundy camellia were presented as tokens of friendship to officials of Mexico, Guatemala and El Salvador recently by Rene Casadaban, Casadaban's Nursery, Abita Springs, La. Mr. Casadaban and his wife were members of a United States group headed by Mayor Chep Morrison of New Orleans that traveled down the Pan American highway to make good-will visits to the three Central American countries.

According to the Casadabans, a warm reception was accorded the motorcade at all stops along the journey and the Sparkling Burgundy plants were received enthusiastically by the mayor of Mexico City and the presidents of Guatemala and El Salvador.

**TREE-LAND, INC.,** Lynn, Mass., has changed its firm name to **Tree-Land of Lynn, Inc.**

## CHASE OFFERS:

**Famous Field-Grown Coniferous  
Evergreen Liners**

**1-yr., field-grown, row run**

|  | Per<br>100 | Per<br>1000 |
|--|------------|-------------|
| <b>Juniperus chinensis pfitzeriana</b><br>(Pfitzer Juniper)<br>7500 6 to 12 ins. ....                  | \$20.00    | \$175.00    |
| <b>Juniperus chinensis pfitzeriana compacta</b><br>(Nick's Compact Juniper)<br>12,000 6 to 12 ins. ... | 22.50      | 200.00      |
| <b>Juniperus communis ashfordi</b><br>(Ashford Juniper)<br>2000 6 to 12 ins. ....                      | 15.00      | 125.00      |
| <b>Juniperus communis fastigiata</b><br>(Improved Irish Juniper)<br>10,000 6 to 12 ins. ...            | 15.00      | 125.00      |
| <b>Juniperus communis hibernica</b><br>(Irish Juniper)<br>18,000 6 to 15 ins. ...                      | 12.50      | 100.00      |
| <b>Juniperus excelsa stricta</b><br>(Spiny Greek Juniper)<br>18,000 5 to 9 ins. ....                   | 15.00      | 125.00      |
| <b>Juniperus glauca hetzi</b><br>(Hetz Blue Spreading Juniper)<br>15,000 8 to 15 ins. ...              | 15.00      | 125.00      |
| <b>Juniperus horizontalis plumosa</b><br>(Andorra Juniper)<br>12,000 6 to 12 ins. ...                  | 17.50      | 150.00      |
| <b>Juniperus sabina</b><br>(Savin Juniper)<br>10,000 6 to 12 ins. ...                                  | 17.50      | 150.00      |

### SPECIAL DISCOUNT OFFER:

On orders totaling 5000, assorted as you like, take 20% off 1000 rate. On orders totaling 10,000, assorted as you like, take 30% off 1000 rate.

Packing extra. 2% 10 days, net 30 days to known or approved credit. C.O.D. shipment made on 25% payment. All stock dug fresh to order. Not in storage.

**CHASE NURSERY CO.  
Chase, Ala.**



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### AZALEAS

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### EUONYMUS ALATUS COMPACTUS

Heavy, outdoor frame grown, rooted cuttings. These cuttings are heavily rooted. Try some and see how good they are.

Single lead approximately 6 ins., \$12.00 per 100, \$100.00 per 1000.

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Perry, O.**

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### GREEK JUNIPER

Each Each  
Per 100 Per 1000

1-yr., 6 to 12 ins... 15c 12½c

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#### • Field-Grown Liners

#### • Fully Dormant

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Now Shipping—Order Today



## ROSE BUSHES

Patented and Standard in  
Good Assortment  
Bare-Root—Packaged  
Write for price list.

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BAR sizes to trucks only.  
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Wholesale Growers of Dependable  
Fruit and Flowering Trees  
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313 N. Chancery St.  
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Quality Plants Since 1841

**HILLENMEYER**  
*Nurseries*  
GEORGETOWN, MD.  
ON U.S. 22 NORTH  
LEXINGTON, KY.

## COVER ILLUSTRATION

### Magnolia Loebneri Merrill

It takes a long time for many magnolias to grow to flowering size from seed. E. H. Wilson used to say that it would take over 15 years for *Magnolia kobus* to flower if it were grown from seeds—far too long for many a home gardener (or nurseryman) to wait.

The star magnolia, *M. stellata*, on the other hand, will bloom about seven years after the seeds are sown, one of the very reasons why the star magnolia is widely planted and the *Kobus* magnolia is not. Crosses between these two species have been known for many years, but most of the resulting plants had little to offer ornamentally. A cross between these



Blooms of Magnolia Merrill

two species was made at the Arnold Arboretum in 1939 by Dr. Karl Sax and was later named by him *Magnolia loebneri* Merrill, in honor of the former director and great botanist, Dr. E. D. Merrill. This is the plant shown on the front cover of this issue.

The flowers have nearly as many petals as those of *M. stellata*, which is 12 to 18, but the petals are wider, giving more substance to the flower. The original seedling is now a tree over 25 feet tall, with a sturdy trunk. The star magnolia grows with several small trunks and grows slowly, trees 40 years old not being that tall.

The Merrill magnolia begins to bloom when it is about 5 years old. As a vigorous-growing tree with early white flowers (before the leaves), this tree will prove to be a

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ACTUAL COLOR PICTURES

*The Professional's  
Pansy*

**Steele's  
PANSY GARDENS INC.**

P. O. Box 4555 • 2715 S. E. 39th Avenue  
Portland 2, Oregon

## Better Liners of the Better Kinds

Good Roots • Good Tops  
Eastern Shore Grown

### DECIDUOUS LINERS

Write for Price List  
JACQUES L. LEGENDRE, Pres.

**GULF STREAM NURSERY**  
WACHAPREAGUE, VIRGINIA

## WE SPECIALIZE IN FINE Azaleas and Camellias

Write for Catalog  
**FLOWERWOOD NURSERY**  
GREGORY L. SMITH, Owner  
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### CHINESE CHESTNUT TREES

Seedlings only of the Peter Lui strain, 1-yr. whips and 2-yr. branched, mostly Nanking progeny. Also, properly stored weevil-free seed nuts. Our low costs of production permit low quantity prices. Inquiries invited.

**LEELAND FARMS**  
Leesburg, Ga.

QUALITY EVERGREEN LINERS  
in wide assortment.

**Gilmore**  
**Gilmore Plant & Bulb Co.**  
Julian, N. C.

1960 A. A. C. S. Winner

### SPARKLING BURGUNDY

(Plant Pat. No. 1639)

A hardy *Baccharis* of rare beauty.

**CASADABAN'S NURSERIES**  
Abita Springs, La.

### HARDY ENGLISH IVY

(*Hedera helix*)

Rooted cuttings for landscape planting.  
\$7.50 per 100; \$65.00 per 1000

**BEARDSLEE NURSERY**  
Perry, Ohio

decided addition to any garden for its early spring flowers, symmetrical habit and vigorous growth. Added to these sterling qualities is the excellent feature that it is readily propagated by softwood cuttings. It should easily become one of the popular early-flowering ornamental trees for the northern part of the country.

Donald Wyman,  
Arnold Arboretum.

[Photograph supplied by the Wayside Gardens Co., Mentor, O.]

### WE WONDER, TOO!

To the Editor:

Quotations from a letter from the U.S.D.A., Harrison county, Texas, addressed to "Cotton Allotment Farmers," as sent to Verhalen Nursery Co., owner of 2,500 acres of land, and marked "Important Notice":

"In checking your farm records, we find that you did not plant cotton on your farm in 1958 and 1959."

"Unless you plant 75 per cent of your 1960 cotton allotment or release your 1960 allotment before Friday, March 4, 1960, your 1961 allotment base will be drastically reduced."

"We urge you to protect your 1961 cotton allotment," etc., etc.

Our allotment for cotton on our 2,500 acres has been set at one-half acre. We are wondering if we should keep this allotment.

Steve Verhalen,  
Verhalen Nursery Co.

### PREVIEW GARDENS FILM

The Sterling Forest Peat Co. recently hosted over 50 Long Island garden supply operators at a special sales presentation held at the Garden City hotel, Garden City, L. I., N. Y.

Primary purpose of the informal meeting was to show the garden shop dealers a special preview of the firm's color film on the construction and purposes of the new Sterling Forest gardens, Tuxedo, N. Y., which will be opened to the public May 1. Also explained were the peat company's current advertising and promotional campaigns. Among those on hand to answer questions were Fred Johnson, manager of the firm's peat division, and Charles Lewis, chief horticulturist, Sterling Forest gardens.

W. W. GARRISON recently started to plant stock for landscape work at Salem, Va.

ROMER M. BURNS is starting a wholesale and retail nursery at Walton, Ky.

## HILLSBOROUGH BULB CO.

P. O. Box 530 A

Foley, Ala.

### GLADIOLUS BULBS

Prepackaged

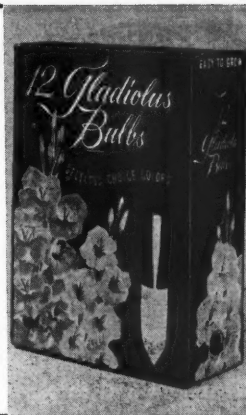
12 large bulbs per box.

Complete planting instructions and window on back of box.

36 packages per case

\$10.80 per case

F.O.B. Foley, Ala.



## LANDSCAPE SKETCHING

By Arthur Black

Basic information is presented, simple enough to be easily performed by a beginner.

Fits need of self-raised landscape nurseryman who wishes to prepare sketches for client. Shows fundamental pencil strokes and how to apply them to component parts of the landscape. Layman or student can learn to sketch or draw by following the principles of procedure and the exercises shown. 109 pages, illustrated with 57 drawings. (1951)

Postpaid \$5.75

### AMERICAN NURSERYMAN

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Chicago 4, Ill.

## APRIL SPECIALS

### FRUIT TREES

See our display ad March 1 issue American Nurseryman.

### SHADE TREES

See specials offered in our display ad March 15 issue American Nurseryman.

### EVERGREENS

Coniferous and broad-leaved. Large assortment varieties and sizes. Offered in our display ad February 1 American Nurseryman.

### OTHER SPECIALS IN PLANT MATERIAL

See our classified ads this issue. Ask for Complete Wholesale Price List.

### WAYNESBORO NURSERIES

Wayensboro, Virginia

## JAPANESE RED BARBERRY

2-yr., Heavy, Not Transplanted

Samples Free Upon Request

|                    | Per 100 | Per 1000 | Per 5000 |
|--------------------|---------|----------|----------|
| Lining-out grade.. | \$ 4.50 | \$ 40.00 | \$175.00 |
| 6 to 9 ins.....    | 6.00    | 50.00    | 300.00   |
| 9 to 12 ins.....   | 8.00    | 70.00    | 300.00   |
| 12 to 15 ins.....  | 10.00   | 90.00    | 400.00   |
| 15 to 18 ins.....  | 12.00   | 110.00   | .....    |
| 18 to 24 ins.,     | .....   | .....    | .....    |
| 4-yr., T. ....     | 35.00   | .....    | .....    |

New Spring Trade List now ready.

### BROWN BROS. CO.

East Rochester, N. Y.

"Our 75th Year"

Hard-to-get

# Seeds

from the

### SOUTH PACIFIC

TREES — SHRUBS — PALMS  
DECORATIVE FOLIAGE PLANTS  
EUCALYPTUS — ACACIAS

AIRMAIL YOUR REQUEST  
for a copy of our 1960 catalog.  
Your copy will be airmailed  
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### VARIEGATED WEIGELA CUTTINGS

*Weigela variegata nana*

Mature shrubs make attractive container stock for sales lots. Heavy, outdoor frame grown. Completely dormant.

\$12.00 per 100 \$100.00 per 1000

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## CALIFORNIA ASSOCIATION OF NURSERYMEN

ELMER J. MERZ, Executive Secretary

304 MITAU BUILDING

SACRAMENTO 14, CALIF.

### PENINSULA CHAPTER

The March 3 meeting of the Peninsula chapter of the California Association of Nurserymen, held at L'Omelette, Palo Alto, was attended by 75 members and guests. They enjoyed the presentation of new gadgets and plants, the gadgets being introduced by nurserymen and the plants by the suppliers.

Host Pete Sugawara, Monte Bello Nursery, Los Altos, introduced the following new members: Clark Smith, Garden Doctor Co., Los Altos; Hugo Bauer, Lindauer Sawdust Co., San Francisco; Andre Poiree, Ladera Garden Center, Menlo Park, and Mrs. Laura J. Chiapelone, Burlingame Garden Center, Burlingame. John Althuisen, Carlmont Nursery, Belmont, another new member, was unable to attend.

Concluding the meeting was the announcement by President Louis Schenone, Pacific Nurseries, Colma, that the chapter's board of directors had set aside \$500 for oak root fungus research.

The next meeting, which will be devoted to promotional advertising, has been scheduled for April 17, at Hyatt House, Burlingame. C. J. B.

### CENTRAL CHAPTER

The Central chapter of the California Association of Nurserymen met at Mike Lynn's, Orinda, with 79 members and guests present. Among the guests were Mrs. Jessie Katz, New Orleans, La., director of the American Camellia Society, and Mr. Young, a camellia hybridizer.

It was announced that nurseries will again sell tickets in advance of the forthcoming California spring home and garden show and that only holders of these tickets will be eligible for winning a trip to Japan.

David Feathers, a director of the American Camellia Society and the speaker for the evening, pointed out that the society does not aim merely for size in the camellia blooms but tries to breed a better body and texture in the petals, a better form and superior foliage, especially of *Camellia reticulata*. He illustrated his talk with pictures and explained that efforts are being made to develop camellias with dif-

ferent growing habits, such as a hanging type, and for ground covers.

A prize for the evening was a new camellia, *Fragrant Star*, a white that does not discolor in rain. It was developed by Ben Colombo, Franklin Canyon Nursery, Martinez. Larry C. Basker, Sec'y.

### MONTEREY BAY CHAPTER

The February meeting of the Monterey Bay chapter of the California Association of Nurserymen was held at the Ideal fish restaurant, Santa Cruz. The session was called to order by President Marion L. Sloan, Sloan's Nursery, Santa Cruz, who introduced Mrs. Ferguson, of the Monterey peninsula convention bureau. Mrs. Ferguson extended an invitation to the C. A. N. to hold its 1962 convention at Monterey and reviewed the accommodations and meeting facilities of the region.

Vice-president Clayton Pleiman,

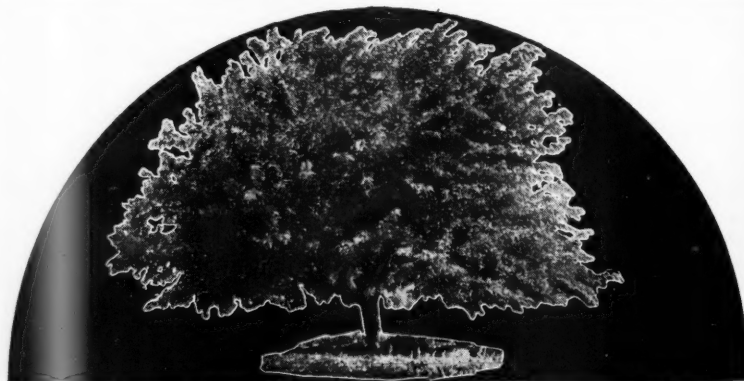
Tempo Landscape & Garden Service, Pacific Grove, then introduced the speaker of the evening, John Edwards, John E. Edwards Nursery, Palo Alto, who reported on a 1-day institute on the U. C. system held recently at Berkeley.

Mr. Edwards outlined the relative merits of sand, redwood bark, fir bark, rice hulls and other materials as the basic ingredient of the U. C. mix for container-grown plants. He stressed the importance of sterilizing the soil mix and containers before potting, selecting disease-free propagation materials and maintaining adequate nutrient levels in the growing medium.

After the minutes of the January meeting were read and approved, Mr. Pleiman announced that the manager of the Monterey office of the Mission Linen Supply would be present at the chapter's March meeting to explain his firm's uniform rental service. Sue Mell, Sec'y.

### AWARD TO EDMUNDS

Louis L. Edmunds, who operates the Native Plant Nursery, Danville, Calif., received the annual award for 1960 from the California Horticultural Society at its annual meeting held last month. The award was

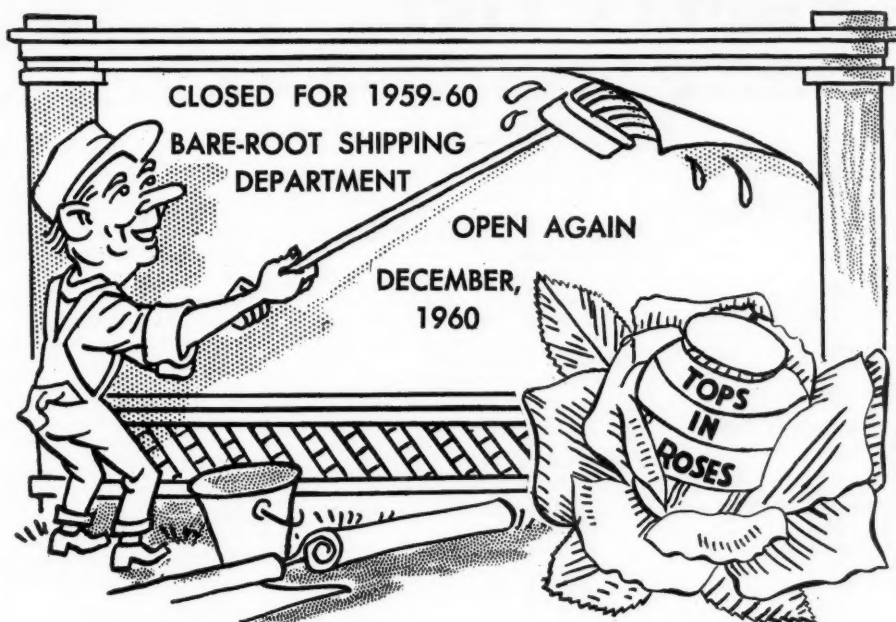


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True, because customer enthusiasm automatically builds sale upon sale! A spectacular grower—often 6-8 feet a year. Spreads 30-40 feet. Ideal for backyard or patio. Fruitless and clean. Withstands —5°. Choice stock ready for shipment now.

Write for New, Free Wholesale Price List Today.

***Stribling's* NURSERIES, INC.**  
1620 W. 16th Highway 99 North RAndolph 2-4106  
P. O. Box 793 Merced, Calif.



Thanks to all of you for an excellent season. We hope your own selling season is even "rose-ier" than you expect.

In the months ahead we will be getting another crop of "TOPS IN ROSES" ready for you. Our new lists will be available soon. If we miss you in our mailing, it's purely accidental! Let us hear from you.



## WEEKS WHOLESALE ROSE GROWER

O. L. WEEKS

926 W. ELY

ONTARIO, CALIF.



presented for his outstanding and meritorious contribution to horticulture in California.

In the election of officers, Thomas W. Russ, manager of the Oakland Red Cross, was named president, succeeding Ernest Wertheim, San Francisco. Elected as vice-president was John J. Spring, chief nurseryman, Golden Gate park, San Francisco.

**PURCHASED** recently by Virgil A. Winter and Robert S. Young from J. J. Barbour was the Red Bluff Garden Center, on Highway 99E, at Antelope, Calif. The new owners plan to expand the present operations to include landscaping.

**COMPLETED** recently for Egger & Son Nurseries, Mill Valley, Calif., were new nursery facilities on a 1-acre site on La Goma avenue.

**UNDER construction** at the Plaza shopping center, 9999 Holman road, Seattle, Wash., is the Green Giant Nursery, owned by F. R. McAbee.



*Moore*

### MINIATURE ROSES

The BEST Source of  
MINIATURE ROSES in America

... from our Breeding Program have come such Top Favorites as Dian, Little Buckaroo, Westmont, Bit O' Sunshine, Jackie, Little Scotch, Patty Lou, Pink Joy, Frosty, Pink Cameo, etc. ...

... **NOW** we announce: MONA RUTH, LOLLIPOP and PINK HEATHER.

Send for Information and  
NEW COLOR FOLDER

SEQUOIA NURSERY Visalia, Calif.

### ORNAMENTAL WOODY PLANTS AND ROSES

Write for our lists.

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Fine Perennials—Hard-to-find items!  
GERBERAS—STREPTIS—DAISIES  
Write for our CATALOG and let us add your NAME to our list of satisfied customers.

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### ACER PLATANOIDES

**Drummond's Variegated Norway**

**Maple**

6 to 8 ft., br.

5 to 6 ft., br.

8 to 9 ft., whips

7 to 8 ft., whips

**Faassen's Red-Leaved Maple**

8 to 10 ft., br.

6 to 8 ft., br.

5 to 6 ft., br.

8 to 9 ft., whips

7 to 8 ft., whips

6 to 7 ft., whips

**Norway Maple**

8 to 10 ft., br.

6 to 8 ft., br.

5 to 6 ft., br.

**Pyramidal Columnar Maple**

8 to 9 ft.

7 to 8 ft.

6 to 7 ft.

### ACER PSEUDOPLATANUS

**(Plane Tree Maple)**

**Improved Spaeth**

8 to 10 ft., br.

6 to 8 ft., br.

5 to 6 ft., br.

### ACER RUBRUM

**(Red Maple)**

10 to 12 ft., br.

8 to 10 ft., br.

6 to 8 ft., br.

5 to 6 ft., br.

4 to 5 ft., br.

### FRAXINUS QUADRANGULATA

**(Blue Ash)**

8 to 10 ft., br.

6 to 8 ft., br.

5 to 6 ft., br.

### SORBUS AUCUPARIA

**(European Mountain Ash)**

8 to 10 ft., br.

6 to 8 ft., br.

### BETULA ALBA

**(European White Birch)**

12 to 14 ft., br.

10 to 12 ft., br.

8 to 10 ft., br.

6 to 8 ft., br.

5 to 6 ft., br.

4 to 5 ft., br.

Prices and catalog sent upon request.

## POWELL VALLEY NURSERY

210 S. E. Vista Ave.

Gresham, Ore.

Phone: MO 5-3537

## MILTON NURSERY CO.

Since 1878

MILTON-FREEWATER, ORE.

Flowering, Ornamental, Shade Trees and Shrubs, Fruit Trees, Fruit Tree Seedlings and Angers Quince Rooted Cuttings.

### Licensed Growers of

Moraine Locust (Pat. No. 836)

Shademaster Locust (Pat. No. 1515)

Sunburst Locust (Pat. No. 1313)

Crimson King Maple (Pat. No. 735)

### Send for Our Price List

Our combination carlots for eastern distributing points during shipping season save freight costs.

## A. MCGILL & SON

FAIRVIEW, ORE.

Wholesale only

FRUIT TREE SEEDLINGS  
FLOWERING ORNAMENTAL TREES  
SHADE TREES

### Licensed Growers of

Crimson King Maple (Pat. No. 735)

Moraine Locust (Pat. No. 836)

Shademaster Locust (Pat. No. 1515)

Skyline Locust (Pat. No. 1619)

Sunburst Locust (Pat. No. 1313)

Constant Vigilance Results  
in Quality Stock

Combination carloads to eastern  
distributing points.  
Write for our list.

## ROSES

Top-quality, northern California, field-grown, patented and standard bush and tree roses. Write for list and prices.

### ELMER ROSES

6708 N. San Gabriel Blvd.  
SAN GABRIEL, CALIF.

## DOTY & DOERNER, Inc.

6691 S. W. CAPITOL HIGHWAY  
PORTLAND 19, OREGON

\*\*\*\*\*

WHOLESALE  
GENERAL NURSERY STOCK

## ROSES

### OLD and NEW

Fine-quality, two-year plants  
budded on Multiflora in over  
250 varieties.



### MT. HOOD NURSERY

Rt. 2, Box 96  
GRESHAM, ORE.

## California Group Plans Second Can-Can Carnival

By Richard B. Kilner

The second annual Can-Can Carnival of Nursery Values will be held April 29 through May 8. This is the third state-wide, cooperative promotion sponsored by the California Association of Nurserymen. It was preceded by the first Can-Can Carnival last spring and the Gardeners' Hoe-Down last October.

The association was pleased with these two cooperative efforts and feels that the experience gained in conducting them should materially improve the results of the upcoming spring promotion. The planners feel that they have been able to eliminate some of the difficulties that naturally cropped up during the first attempts.

Along this line, Pettler Advertising, Inc., Orinda, Calif., which handles the advertising and public relations for the C. A. N., recently conducted a member opinion survey. The questionnaire asked whether the member participated in either or both of the previous events and his results with each.

If he did not participate, he was asked to give his reasons. The questionnaire asked whether the member considered the promotion kit a good value or too expensive and, if he planned to participate in future C. A. N. promotions, what items he would like to see included in the merchandising kit. In a total return of about 25 per cent, 13.4 per cent rated the results of the 1959 Can-Can Carnival excellent, 38.9 per cent good, 23.9 per cent fair and 23.8 per cent poor.

### Use of Materials Explained

Naturally, the greatest factor in the success of such a promotion is maximum participation among nursery members. While this cooperation will continue to be stressed, much emphasis is being given this year to the intelligent use of the merchandising kits. Al Pettler and Martin Rockey, of the Pettler agency, have been speaking before the various association chapters to inform the members fully on all phases of the promotion and how they can obtain the maximum benefit from it.

The speakers have pointed out the support offered by publicity dis-



# LOOK—WE INVITE YOU TO COMPARE

## LOOKING FOR AN OPPORTUNITY?

### —HERE ARE FOUR—

**ONCE AGAIN**—we give the nursery trade a chance to capitalize on an opportunity. FINE, HEAVY, NURSERY-GROWN stock at prices comparable to BULK-GROWN REFORESTATION SEEDLINGS.

Bushy, good tops, good roots, grown right and packed right by this old reliable firm. Offer good to April 15 only. Cash, of course. 25 per cent will reserve. Get a carload or a truckload. Prices F.O.B. Gresham. No packing charge.

#### WONDERFUL FOR:

Christmas Trees — Mail Orders — Reforestation — Windbreaks — Hedges — Growing on — Highway Planting — Containers — Estates, etc.

**SUPERB LANDSCAPE SUBJECTS**

#### DID YOU KNOW?

That whenever fire or lightning reduces the cambium layer of a Sequoia it balances its system by shedding branches.

REFER TO OUR DESCRIPTIVE  
WHOLESALE CATALOG FOR A  
WHOLE HOST OF OTHER FINE  
EVERGREEN MATERIALS—  
TRADE ONLY!



**SHERWOOD NURSERY CO.**  
*Evergreens* - PROPAGATORS AND GROWERS  
WHOLESALE

Wholesale list available—trade only.  
(It contains complete descriptions) **CORBETT, ORE.**

1

#### PICEA EXCELSA (Norway Spruce)

12 to 18 ins.  
5-year-old trees, once transplanted.  
1000 to 5000.....12c each  
5000 and up.....10c each  
Sample bunch of 25 trees, \$3.50

2

#### PICEA PUNGENS (Colorado Spruce)

9 to 15 ins.  
5-year-old trees, once transplanted.  
1000 to 5000.....14c each  
5000 and up.....10c each  
Sample bunch of 25 trees, \$4.00

3

#### PINUS ARISTATA (Bristlecone Pine)

3 to 6 ins.  
3-year-old trees, not transplanted.  
World's most beautiful conifer.  
1000 to 5000.....14c each  
5000 and up.....12c each  
Sample bunch of 25 trees, \$4.00

4

#### TSUGA CANADENSIS (Canada Hemlock)

12 to 30 ins.  
5-year-old trees, once transplanted.  
1000 to 5000.....25c each  
5000 and up.....21c each  
Sample bunch of 25 trees, \$7.50

tributed to newspapers, radio and television stations throughout the state. In the previous two cooperative promotions, suppliers were extremely helpful in scheduling tie-in advertising and in setting up point of sale displays during the events. Furthermore, growers and suppliers made special promotional offers to participating members.

One of the strongest objections to the state-wide promotions has been the feeling that they represent price-cutting sales at a time when the nurseries should be maintaining their prices in order to offer the service that other types of merchandising outlets cannot provide. It is the position of the C. A. N. that these are not price-cutting ventures; rather, they are comparable to the January white sales or August home furnishing events in other fields.

#### Uniformity an Advantage

The nursery promotions have something additional to offer in that

## The Homestead Nurseries

### H.G. Benckhuysen. Boskoop. Holland

Specializing in hardy Rhododendrons and Azaleas, Acer, Fagus, Ornamental Trees and Shrubs, Perennials in leading varieties. Quality stock. Trade list on request. Ocean and air freight.

### BENEATH THE GREENHOUSE ROOF

By Charles H. Potter

How to select, construct and use your greenhouse. Includes ventilation, water, shade and electrical equipment. Also covers propagation, soil, plant feeding, transplanting and potting. Chapters on exotics, forcing roses, bulbs, perennials and shrubs. 246 p., 64 illus. (1957).....\$5.95

**AMERICAN NURSERYMAN**

348 S. Dearborn St.

Chicago 4, Ill.

### QUALITY LINERS

Write for our catalog listing over 500 varieties.

**MITSCHE NURSERY**  
Aurora, Ore.

### OREGON HOLLIES

Skimmia japonica  
General Nursery Stock  
May we quote you?

**ALFRED TEUFEL**  
Wholesale Grower  
11414 N.W. Cornell Rd.  
Portland, Ore.

## MAHONIA AQUIFOLIUM

(Oregon-Washington  
Holly-Grape)

2-yr., S., field-grown,  
row-run,

\$7.00 per 100;  
\$60.00 per 1000

Place Your Order Now for  
Spring, 1960, Delivery

**Chenoweth's**  
**MOUNT VERNON**  
**NURSERY**  
Mount Vernon, Wash.



## QUALITY ROSES



Grown in the healthy, smog-free valley  
of central California.

Finest, field-grown, two-year-old rose  
plants in the west.

Featuring all the NEW A. A. R. S.  
AWARD WINNERS.

Remember, QUALITY means more prof-  
its for you.

Send for our latest catalog.

## MONTEBELLO ROSE CO.

Wholesale Only

401 N. Sixth St. Montebello, Calif.  
Phone: PArkview 1-1300

## ENGLISH HOLLY

Cutting-Grown, Heavy, Choice  
Female and Male

Each  
4-yr., 3-gal., 36 to 40 ins. .... \$2.00  
3-yr., 2-gal., 30 to 36 ins. .... 1.75

F.O.B. Chino, Calif.

L.T.L. Transportation Arranged  
Minimum quantities required.

## DESCANSO NURSERIES

12492 Pipeline Ave. Chino, Calif.

they are carried out uniformly on a state-wide basis, with the backing of the state association. These events, with their special sales, are all to begin at the same time and to conclude 10 days later. The association feels it is adopting some of the more successful methods of other fields of retailing and helping the nurseryman conduct an effective promotion. For, while it is a state-wide event, in the final analysis its success or failure depends upon the efforts of the individual nurseryman.

The participating member pays the expenses from his own pocket, just as he would for any promotional effort. However, in this instance, materials are available to him at a much lower cost than he would have to pay for his own promotion. He is instructed in the most effective use of these materials and he has the benefit of a wealth of tie-in advertising, promotion and publicity from many other sources.

The best way to insure the success of this promotion is to have as many members as possible participate and sign up early for their merchandising kits. Also, members should make plans well in advance to insure that they take the utmost advantage of all the benefits available to them through such a promotion.

## ARMSTRONG MOVES STOCK

Armstrong Nurseries, Ontario, Calif., recently moved all tree and vine stock growing at their Del Rancho Fortuna nursery, south of McFarland, Calif., to expanded growing facilities at Wasco, Calif. A custom-made, mechanized digger that Del Rancho Fortuna engineers helped develop speeded the work of digging the many fruit and shade trees to be moved.

Armstrong Nurseries expect to harvest a total of 2,500,000 grapevines of 25 varieties this year, in addition to 500,000 fruit trees and several hundred thousand ornamentals and nut trees.

## CAR MATS SUPPLIED

Now paper car mats are being supplied to its members by the California Association of Nurserymen. These mats can be used instead of newspapers or other material, placed on the floor or in the trunk of a customer's automobile, on which to set flats or cans containing plants.

Not only do these car mats keep the customers' passenger cars from being soiled by plants, but they car-

## THE BEST YOU CAN BUY ANYWHERE

All Available in  
No. 1 and No. 1 1/2 Grades

|                   |                    |
|-------------------|--------------------|
| Aztec             | Little Darling     |
| Buccaneer         | Mojave             |
| Carrousel         | Montezuma          |
| Chrysler Imperial | New Yorker         |
| Circus            | Pink Favorite      |
| El Capitan        | Peace              |
| Fashion           | Royal Velvet       |
| Fan Tan           | Rubaiyat           |
| First Love        | Starfire           |
| Garden Party      | Sutter's Gold      |
| Gold Cup          | Tapestry           |
| Golden Girl       | Tiffany            |
| Grande Gala       | White Knight       |
| Helen Traubel     | Vogue              |
| Improved Blaze    | Queen Elizabeth    |
| Ivory Fashion     | Cl. Blossomtime    |
| Josephine Bruce   | Cl. Peace          |
| Kordes Perfecta   | Cl. Golden Showers |
| Lavender Girl     |                    |

## JOHN CARRIGG & SONS

Nationally Famous Roses  
Jefferson, Ore.

Jan de Graaff's

OREGON BULB FARMS  
P. O. Box 512  
GRESHAM, OREGON

Lilies  
Exclusively

## RHODODENDRON AND EVERGREEN LINERS

In Season

**J. B. WHALLEY NURSERY**  
Rt. 2, Box 683 TROUTDALE, ORE.

## CUTTING-GROWN RHODODENDRON LINERS

Hardy and semihardy varieties,  
Quality only

**VAN VEEN NURSERY**  
3127 S. E. 43rd Ave.  
PORTLAND 6, ORE.

## Maurice C. Ravensberg

Boskoop, Holland

Reliable exporters for general nursery  
stock since 1922.

Catalog on application

## The MALLING-MERTON STORY

The story of the Malling Apple rootstocks from IX to XVI—and their successors, the M. M.'s 104, 106, 109, 111 and M.XXV. Performance figures, etc.

Free for the asking.

**CHICK -A- DEE GARDENS NURSERY**  
Sherwood, Ore.

APRIL 1, 1960

93

ry an advertising message. Brown in color, measuring 14x22 inches, the mats resemble fairly heavy wrapping paper and are somewhat absorbent. Across the top in big letters are the words, "Plant California." In the center of the sheet appears the insignia of the association, and below, in big type in a box, is the slogan, "Planting Time Is All the Time in California."

The car mats are available to members in packages of 1,000 at \$6 per package. Delivery is made through the chapter secretaries, as direct delivery to members would be excessive in shipping cost, it is stated.

#### OREGON CHAPTER NOTES

Verl Holden, H. L. Percy Co., Salem, president of the Willamette chapter of the Oregon Association of Nurserymen, led a meeting of the chapter at Salem recently. The chapter went on record as opposing any attempt to raise nurserymen's license fees in the state at this time, because the quantity of nursery stock being sold through other than regular nursery outlets is small. The group also decided to request that the 1962 O. A. N. convention be held at Salem.

Harold Schick, park superintendent for Marion and Polk counties, gave an informative talk concerning park and playground facilities in the two counties.

New officers installed at the meeting were president, P. H. Brydon, Brydon's Nursery & Seed Store; vice-president, Wallace Doerfler, F. A. Doerfler & Sons Nursery; secretary-treasurer, G. Royal Boltman, Boltman's Nursery & Garden Center, and directors, Forrest Martin, Martin Nursery, and Ernest Iufer, Iufer Landscape Co., all of Salem except Mr. Martin, Dallas.

#### Rose City Chapter

About 60 persons attended the meeting of the Rose City chapter of the O. A. N. held recently. Joe Klupenger, Klupenger Nursery, Portland, chapter president, led the meeting. Also present was Charles Drew, Drew's Nursery, Beaverton, president of the Sunset chapter, who spoke briefly.

Speaker for the evening was Mark Grayson, city commissioner for Portland, in charge of public utilities. Mr. Grayson gave an interesting commentary on the water system of the city. He showed a new film, entitled "The Bull Run Story," which traced the city's water from [Concluded on page 108]

## PACIFIC COAST NURSERY

Rt. 1, Box 114B, PORTLAND 10, ORE.

Phone: MAyfair 1-3325

**Pioneering Seedling Growers on  
the Pacific Coast Since 1914**

**Specializing in Fruit Tree Seedlings,  
Shade and Flowering Trees**

French and  
Domestic Apple Seedlings,  
Str. and Br.

Bartlett Pear Seedlings,  
Str. and Br.

French Pear Seedlings,  
Str. and Br.

Calleryana Pear Seedlings,  
Str.

Manchu Cherry Seedlings  
(Prunus tomentosa)

Mahaleb Cherry Seedlings

Mazzard Cherry Seedlings

Myrobalan Plum Seedlings

American Plum Seedlings

Angers Rooted Quince  
Cuttings

Combination carloads to eastern distributing points.

**John Holmason & Sons**  
Props.

## PORTLAND WHOLESALE NURSERY CO.

5050 S. E. STARK ST.

Avery H. Steinmetz  
Paul E. Van Allen

PORTLAND 15, OREGON

*Quality Stock*

CONIFERS AND BROAD-LEAVED  
EVERGREENS  
SHADE AND FLOWERING TREES  
FRUIT TREE SEEDLINGS  
FRUIT TREES  
DECIDUOUS SHRUBS  
VINES AND BULBS  
PORTLAND ROSES  
NURSERY SUPPLIES

Many items still avail-  
able this season. Send  
us your want list.

*Write for our Catalog*

### SURPLUS ROSES

Northern California Grown—Super Quality—Multiflora Root

**HYBRID TEAS**  
Angel Wings  
Capistrano  
Chrysler Imperial  
Fandango  
First Love  
Forty-Niner  
Gail Borden  
Garden Party  
Isobel Harkness  
Love Song

**HYBRID TEAS (Cont'd)**  
Sutter's Gold  
White Butterfly  
**GRANDIFLORA**  
Queen Elizabeth  
Starfire  
**FLORIBUNDA**  
China Doll  
Texan  
Fusilier

**CLIMBERS—PILLARS**  
Cl. Charlotte Armstrong  
Cl. Chrysler Imperial  
Cl. Peace  
Cl. Queen Elizabeth  
Cl. Texas Centennial  
Golden Showers

**NONPATENTED**  
Charlotte Armstrong

Write for complete list.

### DESCANSO NURSERIES

12492 Pipeline Ave. — Chino, Calif.  
All-America Rose Selections Member



# CLASSIFIED ADS

Rate: 40 cents per line, each insertion.

Minimum order, \$4.00.

Instructions for the May 1 issue must be received by Friday, April 15.

Forms for May 15 issue will close Friday, April 29.

## ANNUALS

**SNAPDRAGON PLANTS**  
Transplanted and grown in sterilized soil.  
All good hybrid varieties.  
Dark pink or rose color, light pink, yellow, white, red and lavender.  
Nice plants.

\$25.00 per 1000, \$2.50 per 100.

**PECK'S FLOWER SHOP**  
Box 193 Phone 118 Sheldon, Ill.

**STEELE'S MASTODON JUMBO PANSIES**  
Our famous transplants in bud and bloom. Individually dug and wrapped 25 per bunch. \$4.00 per 100, postpaid; \$20.00 per 1000, express collect.

**WARD'S PANSY GARDENS**  
6028 Houston Rd. Macon, Ga.

## AZALEAS

**AZALEAS FOR LANDSCAPING**  
CASH AND CARRY ONLY, NO DELIVERY.  
Formosa Coral Bells  
Omuraaki  
Christmas Cheer Mme. Pericat

3 to 6 ft. in size.  
Other varieties in smaller sizes.  
**DELAVER GARDENS AND NURSERY**  
Route 1 Bayside, Va.  
5 miles east of Norfolk, Va.  
Phone HOWARD 4-0861. Nights, Madison 5-8180

**AZALEA BLAAUW'S PINK**  
Our own introduction.  
Color beautiful shrimp pink, hose-in-hose, an excellent forcing variety, perfectly hardy.  
Flat-grown transplants,  
\$25.00 per 100, \$200.00 per 1000.  
Greenhouse-grown plants, 4 to 6 ins., \$40.00 per 100, \$350.00 per 1000.

**J. BLAAUW & CO., LINCROFT, N. J.**

**BECKY AZALEA**  
Patent No. 1699.  
New Azalea with longer lasting flowers!  
In bud and bloom, potted in clay pots.  
8 to 10 ins., \$1.15 each, packed 16's.  
12 to 15 ins., \$2.50 each, packed 6's.  
Packing charge, 50c per ctn. Priced F.O.B. VOSTERS NURSERIES AND GHSES., INC. Secane, Pa.

**GLENDAL HYBRID AZALEAS**  
3-yr.-old plants, 12 to 15 ins., nice and bushy. 20 colors, \$1.00 each, B&B. Supply limited.

**TELLMAN NURSERY**  
Indiana Highway 662 Newburgh, Ind.  
Phone UL 3-8649

**HINO-CRIMSON, BECKY, ETC.**  
Some beautiful specimen grades kurume and kaempferi hybrids still left. Also nice assortment of 1-yr., field-grown and liners. Attractive prices. Send for list.

**THE TANKARD NURSERIES**  
Exmore, Virginia

**AZALEAS**  
25 varieties.  
Field-grown and rooted cuttings.

**WIGMORE'S NURSERIES**  
Norman Ave., Riverside Pk., Riverside, N. J.  
Phone BELMONT 5-2210.

**AZALEAS, CUTTINGS AND LINERS**  
Price list on request.  
**AVALON MOUNTAIN GARDENS, Dana, N. C.**

Turn Stock into Dollars  
by Listing It in the Classified Ads  
of the American Nurseryman.

## BARBERIES

**RED-LEAVED BARBERRY**  
(Berberis atropurpurea)  
2-yr. seedlings Per 100 Per 1000

30,000 10 to 18 ins., ..... \$8.00 \$70.00  
2 branches up .....  
30,000 9 to 12 ins., ..... 6.00 55.00  
1 branch up .....  
30,000 6 to 9 ins., ..... 4.00 35.00  
1 branch up

**PETER BROUWER'S NURSERIES**  
24 Lester St. New London, Conn.

**BERBERIS ATROPURPUREA**  
2-yr. seedlings, well-branched.  
9 to 12 ins., \$5.00 per 100; 12 to 18 ins., \$7.50 per 100; 18 to 24 ins., \$10.00 per 100. Cash with order.

**D & D ROSE GARDENS**  
41 Monmouth Rd. Eatontown, N. J.

## RED-LEAVED BARBERRY

(Atropurpurea) 2-yr. seedlings.  
Per 100 Per 1000  
Lining-out ..... \$ 4.50 \$ 40.00  
9 to 12 ins., branched ..... 9.00 80.00  
12 to 18 ins., branched ..... 12.00 110.00  
18 to 24 ins., branched ..... 16.00 140.00

**RED-LEAVED BARBERRY**  
(Atropurpurea) 4-yr. transplants.  
Heavy stock.

12 to 18 ins. .... \$28.00 \$240.00  
18 to 24 ins. .... 32.00 280.00

Our red Barberry is one of the finest strains in the U. S. A.

**GREEN-LEAVED BARBERRY**  
(Thunbergi) 4-yr. transplants.

12 to 18 ins. .... \$24.00 \$200.00  
18 to 24 ins. .... 28.00 240.00

**DANEGGER'S HI-WAY NURSERY, INC.**

Box 336 Milford, Del.

If you don't find it listed here try a Want Ad in the next issue of the American Nurseryman.

## BERRY PLANTS

**BERRY PLANTS**

**RED RASPBERRIES** suckers transplants  
Latham, Indian Summer, per 1000 per 1000  
Newburgh, Durham ..... \$ 60.00 \$ 65.00

Taylor ..... 75.00  
Puyallup ..... 55.00  
Sunrise ..... 100.00

**PURPLE RASPBERRIES**  
Sodus, Columbian ..... 100.00  
Burgundy (plant pat. 1567) . 120.00 150.00

**BLACKBERRIES**  
Bailey, Hedrick, Ebony King. .... 100.00  
Early Harvest, Blowers, Eldorado ..... 40.00 45.00

Lucretia Dewberry ..... 40.00 50.00  
Send for our complete list of bush fruits and flowering shrubs.

**CONGDON'S WHOLESALE NURSERY**  
North Collins, N. Y.

**RED RASPBERRIES**  
Gatineau, Madawaska, Earlired (all very early); Latham, Muskoka, Canby, Thames and New Hampshire (all mid-season); Durham and September everbearing, up to 3/16-in., \$65.00 per 1000; over 3/16-in., \$75.00 per 1000.

Above sent F.O.B. shipping point.  
Pack-out prices on request.

Write for free catalog and wholesale price list describing over 70 varieties of small fruit plants, latest and best in Strawberry plants.

**WALTER K. MORSS & SON**  
Bradford, Mass.

**LATHAM RASPBERRY PLANTS**

Top quality plants, New Jersey twice state inspected. Grown in fumigated soil. Plants are a heavy grade with an exceptionally fine root system.

No. 1, 3/16 to 1/4-in., \$40.00 per 1000.  
No. 1, 1/4-in. up, \$50.00 per 1000.

Prices are F.O.B. Free packing. Spring delivery.

**BRIDGE VIEW NURSERY**  
Waterford Works, N. J.

**SCHWAB GOOSEBERRIES**, large as Plums.  
New seedling (world's largest Gooseberry). Berries often 1 1/2-in. in dia.; highest quality, hardy, very productive, very sweet, 1-yr., heavy, \$4.50 per 10; 2-yr., light, \$6.00 per 10; bearing size, \$7.50 per 10. 5 per cent discount for cash or free baling. Plants that die replaced at half price.

**SCHWAB FRUIT FARM & NURSERY**  
220 N. 5th St. Mankato, Minn.

**ROYAL SEEDLESS BLUE GRAPE**  
Highest quality Grape in existence. Nearly as large as Concord, but much sweeter, harder and heavier bearing. Just as vigorous and healthy. Ripens with Moore's Early. Plant pat. 1681. 2-yr. No. 1, 3 for \$6.00. Plants that die replaced at half price.

**SCHWAB FRUIT FARM & NURSERY**  
220 N. 5th St. Mankato, Minn.

**BERRY PLANTS**  
Blueberries, red Raspberries, Rhubarb, Asparagus, Horseradish and Gooseberries. Refer to our priced ad on page 80.

**KRIEGER'S WHOLESALE NURSERY**  
Bridgman, Mich.

## BULBS and TUBERS

**QUALITY GLADIOLUS BULBS**  
Per 1000; 100 of a kind at 1000 rate.

Nos. 1 2 3  
Abu Hassan, deep blue ..... \$22 \$18 \$15  
Alf. Nobel, pink, white throat ..... 20 16 13  
Beauty's Blush, bluish-pink ..... 20 16 13  
Eliz. the Queen, light lav. .... 22 17 14  
Florence Nightingale, white .... 20 16 13  
Friendship, light pink, early .... 20 16 13  
Fiat Lux, soft citron-yellow .... 22 18 15  
Gold, deep yellow ..... 22 18 15  
Han Van Meegeren, yellow .... 20 16 13  
Happy End, scarlet, early .... 20 16 13  
Gail, ruffled lavender ..... 22 16 13  
Jo Wagenaar, deep red ..... 20 16 12  
Lady Jane, cream ..... 20 16 12  
Leif Ericson, tall cream-white .... 20 16 14  
Margaret Beaton, wht., red throat .... 16 13  
Margaret Fulton, coral-pink .... 20 16 12  
Mother Fischer, tall white .... 22 17 15  
Orange Gold, tall clear orange .... 20 16 13  
Factolus, apricot-cream ..... 20 16 13  
The Rajah, deep ruffled purple .... 22 18 15  
Rosa Van Lima, shell-pink ..... 20 15 12  
Sierra Snow, large white ..... 22 18 14  
Sana Souci, scarlet-red ..... 20 16 13  
Snow Princess, white ..... 18 15 12  
Spic and Span, tall pink ..... 20 16 13  
Spotlight, yellow, red throat .... 25 20 ..  
Token, orange-red ..... 18 16 12  
Traveler, medium rose ..... 25 20 ..  
Valeria, scarlet-red ..... 22 18 15  
White Goddess, ruffled white .... 20 16 13  
Yellow Herald, ruffled yellow .... 18 15 12  
Mixed, not less than 10 colors .... 17 14 12

TERMS: 25 per cent deposit with order, balance c.o.d., f.o.b. St. Anne, Ill. 5 per cent discount on orders of \$100.00 and up. All bulbs true to name, clean and up to size. This list offered subject to prior sale.

**SIMON SALK & SONS, ST. ANNE, ILL.**  
Wichert Rural Station, Box 471,  
Phone Hazelwood 7-6791.

**SELECTED GLADIOLUS BULBS**  
Ready for shipment.  
Priced per 1000; 100 bulbs at 1000 rate.

J 1 2 3  
Eliz. the Queen, lavender ..... \$22 \$20 \$16 \$10  
Hopman's Glory, yellow ..... 22 20 16 10  
June Bells, pure white ..... 20 18 16 10  
Spic and Span, pink ..... 20 18 14 10  
Valeria, red ..... 20 18 14 10  
Rainbow Mix, assorted ..... 18 16 12 8

Colored display cards free with each order of \$20.00 or more. Terms: F.O.B. Foley, Ala.; C.O.D. unless credit established. 5 per cent discount, cash with order; additional 5 per cent discount on orders \$250.00 up.

**HILLSBOROUGH BULB CO.**  
P. O. Box 530A Foley, Ala.

**DAHLIAS, LARGE DECORATIVES**

Rose Glory ..... 10c  
Moran Red ..... 15c  
Jane Cowi, copper-gold ..... 20c  
Jersey's Beauty, pink ..... 20c  
Yellow King ..... 15c  
Imperator, Cactus, red-orange ..... 20c  
Holland Pride, Cactus, pink ..... 20c

**BUSH NURSERY**  
25 E. Summit Muskegon Heights, Mich.

**MICHIGAN-GROWN GLADIOLI**  
We would like to have you try our bulbs. These mixtures contain many good colors.

Per 1000 Gladiolus bulbs Nos. 1 2 3  
Giant EXHIBITION MIXTURE, \$25 \$20 \$15  
Fancy BLENDED MIXTURE, \$30 \$24 \$19  
Net cash with order, F.O.B. Dowagiac.

**GEO. W. HUNTER, GROWER**  
Route 3 Our 43rd year. Dowagiac, Mich.

**Cannas, northern-grown: The President, Red and Yel. Humbert, Mme. Crozy, Hungaria, R. Wallace. Bulbs, 150, \$10.00; 1000, \$60.00. F.O.B. Adams Flower Gardens, New Martinsville, W. Va.**

Check Your Stock NOW!  
If you have a surplus  
sell it through the  
American Nurseryman Classified Ads.

## BUXUS

Boxwood, Japanese; good strong flat-grown plants, 6 ins. up, \$35.00 per 1000. Cash.

Free, exotic book of over 100 colored pictures with order of 500 or more plants.

Pacific Plant Brokerage, P. O. Box 352, Lomita, Calif.

APRIL 1, 1960

95

## CHESTNUTS

| CHINESE CHESTNUTS, ABUNDANCE               |                 |
|--|-----------------|
| Seedlings and transplants                  | Per 100         |
| (1-0) 8 to 15 ins.                         | \$18.00         |
| (1-1) 12 to 18 ins.                        | 40.00           |
| (1-2) 18 to 24 ins.                        | 50.00           |
| (2-1) 2 to 3 ft.                           | 85.00           |
| (2-2) 3 to 4 ft.                           | 120.00          |
| F.O.B. Harrisburg, Pa. Pick up or express. |                 |
| Scion wood, 30c per ft., postpaid.         |                 |
| KERSTETER'S NURSERY                        |                 |
| 2743 Boas St.                              | Harrisburg, Pa. |

## CHRYSANTHEMUMS

## ROOTED CUTTINGS

|  |  |
|--|--|
| Allegro, shrimp-pink   |  |
| Blaze, bonfire red Cactus  |  |
| Chas. Nye, large deep yellow Pompon                                  |  |
| Chorale, pale lavender   |  |
| Delight, golden Pompon   |  |
| Early Crimson, bright crimson  |  |
| Holiday, golden bronze   |  |
| Kuntzman, scarlet-orange   |  |
| Helen Bogue, large rose-purple                                       |  |
| Indian Red, rust Cactus cushion                                      |  |
| Kristina, deep rose-pink Daisy                                       |  |
| Lee Powell, large decorative Chinese-yellow                          |  |
| Lipstick, dark red cushion   |  |
| Major Cushion, lavender Pompon                                       |  |
| Meditation, orange-bronze  |  |
| Plainsman, orange-bronze   |  |
| Polar Ice, decorative white  |  |
| Radiant, white Spoon   |  |
| Red Coat, vermillion   |  |
| Ruby Breithaupt, primrose-yellow                                     |  |
| Spark, lemon-yellow  |  |
| Taffy, salmon-rose buff shades                                       |  |
| Yellow Daisy Cushion, yellow   |  |
| White Dot, large white Pompon  |  |
| 10 to 24 of one variety, 8c each; 25 to 100 of one variety, 6c each. |  |

## GILSON GARDENS

Perry, O.

**FLORETUM COLORFUL GARDEN MUMS**  
Bred for early blooming, frost tolerance, winter hardiness. There is no substitute for truly hardy, colorful garden Mums. Ask for trade list.

**PRAIRIE SOUTHWEST FLORETUM**  
Fall River, Kan.

## HARDY GARDEN MUMS

Strong rooted cuttings, \$6.00 per 100, \$55.00 per 1000. Send for list of 100 good varieties.  
**THON'S PERENNIAL GARDENS**  
25 W. Golf Rd. Arlington Heights, Ill.  
Phone HE 7-3134

## DELPHINIUMS

**GIANT PACIFIC DELPHINIUM, 2 1/2-IN.**  
Galahad, Summer Skies, Blue Bird, Black Knight, Astolat, King Arthur, 50 plants, \$5.50; 100 plants, \$10.00; 500 plants, \$47.50; 1000 plants, \$90.00. Delivery now through September.

## DELPHINIUM SEEDLINGS

Above varieties, 100 or more plants per flat, \$3.50 per flat; 2 or more flats, \$3.00 per flat. Shipped express in our new "Saf-Tee-Pac-Wey." Delivery now through September.  
**SCHMIDT GREENHOUSES, HARVARD, ILL.**

## DOGWOODS

## 20,000 DOGWOOD

|  |               |
|--|---------------|
| Cornus florida                             | Each, per 100 |
| 6 to 8 ft., heavy, 1 1/4 to 1 1/2-in. cal. | \$3.00        |
| 8 to 10 ft., extra heavy, 2-in. cal.       | 5.00          |
| Cornus florida rubra                       |               |
| 6 to 8 ft., heavy, 1 1/4 to 1 1/2-in. cal. | 6.00          |
| 8 to 10 ft., extra heavy, 2-in. cal.       | 8.00          |
| (E&B, \$1.00 per tree.)                    |               |

**VOYTESHARK FARM NURSERIES**  
Cor. Naugatuck Ave. and W. Rutland Rd.  
Phone TRINITY 4-3498 Milford, Conn.

## EVERGREENS, Liners

## PINE, SPRUCE SEEDLINGS

| AND LINERS                         |         | 100     | 1000 |
|------------------------------------|---------|---------|------|
| Scotch Pine, 3-yr., 9 to 14 ins.   | \$ 6.00 | \$30.00 |      |
| (French and Spanish strains)       |         |         |      |
| Colo. Blue Spruce, 4-yr.,          |         |         |      |
| 6 to 12 ins.                       | 8.00    | 50.00   |      |
| Norway Spruce, 3-yr., 6 to 12 ins. | 6.00    | 35.00   |      |
| Juniperus glauca hetzi, 3-yr.,     |         |         |      |
| 6 to 12 ins.                       | 25.00   |         |      |
| Spreading Jap. Yew, 3-yr.,         |         |         |      |
| 6 to 10 ins.                       | 30.00   |         |      |

## Write for complete list.

## PAINT CREEK NURSERIES

R. D. 1 Shippensburg, Pa.  
**SPECIAL SPRING PRICE LIST**  
The finest: Taxus, Arborvitae, Junipers and broad-leaved liners and rooted cuttings.  
2-yr., pot-grown stock, 7 to 9 ins., sheared, 20c to 26c each, per 1000 rate.  
Heavy rooted cuttings, 1-yr.-old, 8c to 10c, per 1000 rate.

NOTE: Write for price list with full line of potted stock and rooted cuttings. Bargain "get acquainted" offer on 250 2-yr. pot plants or 250 rooted cuttings. Special prices on large quantities. Samples free on request. Call collect TIPP CITY, No. 7-6398.  
**MIAMI NURSERY CO., TIPP CITY, O.**

## ORNAMENTAL LINERS

|                                      |         | Per 100  | Per 1000 |
|--------------------------------------|---------|----------|----------|
| Taxus, Adams, 1-yr., 2 1/4-in. pots  | \$18.00 | \$170.00 |          |
| Taxus, Adams, 2-yr., 2 1/4-in. pots  | 24.00   | 220.00   |          |
| Taxus, Adams, 3-yr., TT              | 35.00   | 325.00   |          |
| Taxus andersonii,                    |         |          |          |
| 1-yr., 2 1/4-in. pots                | 18.00   | 170.00   |          |
| 2-yr., 2 1/4-in. pots                | 24.00   | 230.00   |          |
| 3-yr., TT                            | 35.00   | 325.00   |          |
| 4-yr., TT                            | 42.50   | 400.00   |          |
| Taxus browni, 4-yr., 2 1/4-in. pots  | 18.00   | 170.00   |          |
| Taxus browni, 2-yr., 2 1/4-in. pots  | 24.00   | 230.00   |          |
| Taxus browni, 3-yr., TT              | 35.00   | 325.00   |          |
| Taxus browni, 4-yr., TT              | 42.50   | 400.00   |          |
| Taxus cuspidata,                     |         |          |          |
| 1-yr., 2 1/4-in. pots                | 17.00   | 160.00   |          |
| 2-yr., 2 1/4-in. pots                | 22.00   | 210.00   |          |
| 3-yr., TT                            | 35.00   | 325.00   |          |
| 4-yr., TT                            | 42.00   | 400.00   |          |
| 5-yr., TTT                           | 62.50   | 600.00   |          |
| Taxus hicksii, 1-yr., 2 1/4-in. pots | 18.00   | 170.00   |          |
| Taxus hicksii, 2-yr., 2 1/4-in. pots | 23.00   | 220.00   |          |
| Taxus hicksii, 3-yr., TT             | 35.00   | 325.00   |          |
| Taxus hicksii, 4-yr., TT             | 42.50   | 400.00   |          |
| Taxus hicksii, 5-yr., TTT            | 62.50   | 600.00   |          |
| Taxus hunnewelliana,                 |         |          |          |
| 1-yr., 2 1/4-in. pots                | 18.00   | 170.00   |          |
| 2-yr., 2 1/4-in. pots                | 24.00   | 230.00   |          |
| Thuja, globe, 1-yr., 2 1/4-in. pots  | 19.00   | 180.00   |          |
| Thuja, globe, 2-yr., 2 1/4-in. pots  | 25.00   | 240.00   |          |
| Ilex convexa, 2-yr., TT              | 27.50   | 250.00   |          |
| Ilex hetzi, 2-yr., TT                | 27.50   | 250.00   |          |
| Ilex rotundifolia, 2-yr., TT         | 27.50   | 250.00   |          |
| Ilex rotundifolia, 4-yr., TT         | 62.50   | 600.00   |          |
| Ilex stokesii, pat. No. 887,         |         |          |          |
| 1-yr., 2 1/4-in. pots                | 25.00   | 225.00   |          |
| 2-yr., 2 1/4-in. pots                | 27.50   | 250.00   |          |

## EVERGREEN SEEDLINGS

|                                |         | 100     | 1000 |
|--------------------------------|---------|---------|------|
| Scotch Pine,                   |         |         |      |
| 2-yr. seedlings, 2 to 4 ins.   | \$ 2.00 | \$10.00 |      |
| 2-yr. seedlings, 4 to 8 ins.   | 4.00    | 20.00   |      |
| 3-yr. seedlings, 8 to 14 ins.  | 4.00    | 20.00   |      |
| 3-yr. seedlings, 10 to 18 ins. | 5.50    | 28.00   |      |
| 2-2 transplants, 5 to 10 ins.  | 10.00   | 50.00   |      |
| 2-2 transplants, 10 to 15 ins. | 15.00   | 75.00   |      |

## French-Scotch, 2-yr. seedlings,

|             |      |       |
|-------------|------|-------|
| 1 to 3 ins. | 2.00 | 10.00 |
| 3 to 6 ins. | 4.50 | 22.50 |

## Spanish-Scotch, 2-yr. seedlings,

|             |      |       |
|-------------|------|-------|
| 1 to 3 ins. | 2.00 | 10.00 |
| 3 to 6 ins. | 4.50 | 22.50 |

## Austrian Pine, 2-yr. seedlings,

|             |      |       |
|-------------|------|-------|
| 1 to 3 ins. | 2.00 | 10.00 |
| 3 to 6 ins. | 4.00 | 20.00 |

## Red Pine,

|                               |      |       |
|-------------------------------|------|-------|
| 2-yr. seedlings, 2 to 4 ins.  | 3.00 | 15.00 |
| 3-yr. seedlings, 5 to 10 ins. | 5.00 | 25.00 |

## Mugho Pine, 3-yr. seedlings,

|             |      |       |
|-------------|------|-------|
| 2 to 4 ins. | 7.00 | 35.00 |
|-------------|------|-------|

## Douglas Fir, 3-yr. seedlings,

|             |      |       |
|-------------|------|-------|
| 1 to 3 ins. | 3.00 | 15.00 |
| 3 to 6 ins. | 7.00 | 35.00 |

## Colorado Blue Spruce,

|                              |      |       |
|------------------------------|------|-------|
| 2-yr. seedlings, 2 to 4 ins. | 3.50 | 12.50 |
| 3-yr. seedlings, 3 to 6 ins. | 7.00 | 35.00 |

## White Spruce, 3-yr. seedlings,

|             |      |       |
|-------------|------|-------|
| 3 to 6 ins. | 2.50 | 12.50 |
|-------------|------|-------|

## Norway Spruce, 2-yr. seedlings,

|             |      |       |
|-------------|------|-------|
| 2 to 4 ins. | 2.00 | 10.00 |
| 4 to 8 ins. | 4.00 | 20.00 |

## TERMS: No charge for packing. 25 per

cent credit with balance C.O.D. 250 of a variety at 1000 rate. Special quotations on large orders or complete beds. Please write for complete list.

## HEASLEY BROS. NURSERY

Box 218, R. D. 1 Greensburg, Pa.  
Phone LA 7-5532

## TAXUS CAPITATA

|                                    |         | Per 100  | Per 1000 |
|------------------------------------|---------|----------|----------|
| 2-yr., seedlings, 4 to 6 ins.      | \$10.00 | \$ 80.00 |          |
| 4-yr., seedlings, 8 to 12 ins.     | 20.00   | 150.00   |          |
| 4-yr., seedlings, 12 to 15 ins.    | 25.00   | 200.00   |          |
| T, 6 to 12 ins.                    | 30.00   | 250.00   |          |
| T, 8 to 15 ins.                    | 37.50   | 350.00   |          |
| 5-yr., TT, 8 to 12 ins.            | 55.00   | 500.00   |          |
| 4-yr., 2 1/4-in. pots, 4 to 8 ins. | 27.50   | 250.00   |          |

## 1-YR., 2 1/4-IN. ROSE POTTS

|  |  | Per 100 | Per 1000 |
|--|--|---------|----------|
|--|--|---------|----------|

Taxus media Adams, 4 to 6 ins. \$20.00 \$180.00

Taxus media andersonii, 4 to 6 ins. 22.00 200.00

Taxus media browni, 4 to 6 ins. 22.00 200.00

Taxus media cliftoni, 4 to 6 ins. 22.00 200.00

Taxus cuspidata, 4 to 6 ins. 22.00 200.00

Taxus cuspidata, semilup, 4 to 6 ins. 22.00 200.00

Taxus media densiformis, 4 to 6 ins. 27.50 250.00

Taxus media hatfieldi, 4 to 6 ins. 22.00 200.00

Taxus media hatfieldi No. 18, 4 to 6 ins. 22.00 200.00

Taxus dwarf heasleyi, 4 to 6 ins. 24.00 220.00

Taxus media hicksii, 4 to 6 ins. 22.00 200.00

Taxus media hunnewelliana, 4 to 6 ins. 27.50 250.00

Taxus media kelseyi, 4 to 6 ins. 22.00 200.00

Taxus media Moon's columnaria, 4 to 6 ins. 22.00 200.00

Taxus media thayerae, 4 to 6 ins. 22.00 200.00

Taxus cusp. vermealeni, 4 to 6 ins. 22.00 200.00

Taxus media wardi, 4 to 6 ins. 27.50 250.00

Juniper, Andorra compacta, 4 to 6 ins. 22.00 200.00

Juniperus communis depressa, 4 to 6 ins. 22.00 200.00

Juniperus glauca hetzi, 4 to 6 ins. 22.00 200.00

Juniperus (Irish) fastigiata, 4 to 6 ins. 22.00 200.00

(Continued in next column)

(Continued from previous column)

Juniperus chin. nelsoni, 4 to 6 ins. 22.00 200.00

Juniperus chin. pfitzeriana, 4 to 6 ins. 22.00 200.00

Juniperus chin. pfitzeriana glauca, 4 to 6 ins. 27.50 250.00

Thuja occ. elegantissima, 4 to 6 ins. 22.00 200.00

Thuja occ. pyramidalis, 4 to 6 ins. 22.00 200.00

Thuja occ. (Siberian), 4 to 6 ins. 22.00 200.00

Thuja occ. Hetz's Winter Green, 4 to 6 ins. 22.00 200.00

Thuja occ. woodwardi, 4 to 6 ins. 22.00 200.00

Ilex convexa bullata, 3 to 6 ins. 22.00 200.00

Ilex crenata hetzi, 4 to 6 ins. 22.00 200.00

Ilex crenata rotundifolia, 4 to 6 ins. 18.00 170.00

2-YR., 2 1/4-IN. ROSE POTTS

Taxus media andersonii, 6 to 12 ins. 27.50 250.00

Taxus media browni, 6 to 12 ins. 27.50 250.00

Taxus media cliftoni, 6 to 12 ins. 27.50 250.00

Taxus cuspidata, 6 to 12 ins. 27.50 250.00

Taxus cuspidata, semilup, 6 to 12 ins. 27.50 250.00

Taxus media hatfieldi, 6 to 12 ins. 27.50 250.00

Taxus media hatfieldi No. 18, 6 to 12 ins. 27.50 250.00

Taxus media heasleyi, dwarf, 6 to 8 ins. 27.50 250.00

Taxus media hicksii, 6 to 12 ins. 27.50 250.00

Taxus media hunnewelliana, 6 to 12 ins. 35.00 300.00

Taxus intermedia, 6 to 12 ins. 27.50 250.00

Taxus media thayerae, 6 to 12 ins. 27.50 250.00

Taxus cusp. vermealeni, 6 to 12 ins. 27.50 250.00

Taxus media wardi, 6 to 12 ins. 35.00 300.00

Taxus media welleriana, 6 to 12 ins. 27.50 250.00

Taxus media wymanii, 6 to 12 ins. 30.00 275.00

2-YR., TT, FIELD

Juniper, Andorra compacta, 6 to 12 ins. 30.00 275.00

Juniperus communis depressa, 6 to 12 ins. 30.00 275.00

aurea, 4 to 8 ins. 30.00 275.00

Juniperus glauca hetzi, 6 to 12 ins. 30.00 275.00

Juniperus chin. nelsoni, 6 to 12 ins. 35.00 300.00

Juniperus chin. pfitzeriana, 6 to 12 ins. 30.00 275.00

Juniperus chin. pfitzeriana glauca, 6 to 8 ins. 30.00 275.00

3-YR., TT, FIELD

Taxus media Adams, 8 to 12 ins. 30.00 275.00

Taxus media andersonii, 8 to 12 ins. 32.00 280.00

Taxus media browni, 8 to 12 ins. 40.00 350.00

Taxus cusp. capitata, seedling-grown, 8 to 15 ins. 40.00 350.00

Taxus media cliftoni, 8 to 12 ins. 40.00 350.00

Taxus cuspidata, 8 to 12 ins. 35.00 325.00

Taxus cuspidata, semilup, 8 to 12 ins. 40.00 350.00

Taxus media hatfieldi, 8 to 12 ins. 40.00 350.00

Taxus media hatfieldi No. 18, 8 to 12 ins. 40.00 350.00

Taxus media hicksii, 8 to 12 ins. 40.00 350.00

Taxus intermedia, 6 to 12 ins. 40.00 350.00

Taxus media thayerae, 6 to 12 ins. 40.00 350.00

Juniperus glauca hetzi, 12 to 15 ins. 40.00 375.00

Juniperus chin. nelsoni, 8 to 12 ins. 50.00 450.00

Juniperus chin. pfitzeriana, 12 to 15 ins. 40.00 375.00

Thuja occ. elegantissima, 12

## EVERGREENS, Liners—Continued

| EVERGREENS, WHOLESALE                                 |              |          |  |
|---|--------------|----------|--|
| Quality stock at low, quantity price.                 |              |          |  |
| MUSSEY SPECIAL STRAIN                                 |              |          |  |
| SCOTCH PINE   |              |          |  |
|   | Per 100      | Per 1000 |  |
| 2-yr. seedl. (2-0), 4 to 8 ins.                       | \$ 6.00      | \$ 30.00 |  |
| 2-yr. seedl. (2-0), 5 to 10 ins.                      | 7.00         | 35.00    |  |
| 3-yr. seedl., r.p. (3-0), 8 to 16 ins.                | 9.00         | 45.00    |  |
| WHITE PINE  |              |          |  |
| 3-yr. seedl., r.p. (3-0), 8 to 12 ins.                | 9.00         | 45.00    |  |
| PONDEROSA PINE  |              |          |  |
| 3-yr. seedl., r.p. (3-0), 8 to 12 ins.                | 9.00         | 45.00    |  |
| MUGHO PINE, pumilio strain (true dwarf)               |              |          |  |
| 3-yr. seedl. (3-0), 2 to 4 ins.                       | 7.00         | 35.00    |  |
| 4-yr. seedl., r.p. (4-0), 4 to 8 ins.                 | 10.00        | 50.00    |  |
| 4-yr. trans. (3-1), 3 to 5 ins.                       | 15.00        | 75.00    |  |
| AUSTRIAN PINE   |              |          |  |
| 3-yr. seedl., r.p. (3-0), 8 to 14 ins.                | 8.00         | 40.00    |  |
| WHITE SPRUCE  |              |          |  |
| 3-yr. seedl., r.p. (3-0), 8 to 12 ins.                | 8.00         | 40.00    |  |
| 4-yr. trans. (3-1), 6 to 12 ins.                      | 15.00        | 75.00    |  |
| 5-yr. trans. (3-2), 12 to 15 ins.                     | 20.00        | 100.00   |  |
| BLACK HILLS SPRUCE                                    |              |          |  |
| 3-yr. seedl., r.p. (3-0), 5 to 10 ins.                | 7.00         | 35.00    |  |
| 4-yr. seedl., r.p. (4-0), 8 to 12 ins.                | 10.00        | 50.00    |  |
| 4-yr. trans. (3-1), 4 to 8 ins.                       | 15.00        | 75.00    |  |
| MUSSEY EXCLUSIVE NORWAY SPRUCE                        |              |          |  |
| 3-yr. seedl., r.p. (3-0), 10 to 15 ins.               | 10.00        | 50.00    |  |
| 3-yr. trans. (2-1), 5 to 10 ins.                      | 15.00        | 75.00    |  |
| 4-yr. trans. (3-1), 8 to 12 ins.                      | 20.00        | 100.00   |  |
| COLORADO BLUE SPRUCE                                  |              |          |  |
| 3-yr. seedl., r.p. (3-0), 6 to 12 ins.                | 11.00        | 55.00    |  |
| 5-yr. trans. (3-2), 8 to 14 ins.                      | 35.00        | 175.00   |  |
| WHITE FIR (concolor)                                  |              |          |  |
| 3-yr. seedl., r.p. (3-0), 6 to 12 ins.                | 9.00         | 45.00    |  |
| 4-yr. seedl., r.p. (4-0), 8 to 12 ins.                | 14.00        | 70.00    |  |
| AMERICAN ARBORVITAE                                   |              |          |  |
| 3-yr. seedl., r.p. (3-0), 8 to 12 ins.                | 8.00         | 40.00    |  |
| 4-yr. trans. (3-1), 8 to 12 ins.                      | 16.00        | 80.00    |  |
| Many other Evergreen Items—Rhododendrons and Azaleas. |              |          |  |
| All stock carefully graded and packed.                |              |          |  |
| MUSSEY FORESTS, INC.                                  |              |          |  |
| Box 16-CD   | Indiana, Pa. |          |  |

## SPRING OF 1960

## ROOTED CUTTINGS

|                                       | Per 100        | Per 1000 |  |
|---------------------------------------|----------------|----------|--|
| ARBORVITAE, PYRAMIDAL, 6 to 10 ins.   |                |          |  |
| Arborvitae woodwardi, 6 to 8 ins.     | 10.00          | \$0.09   |  |
| Juniper, Andorra, 6 to 8 ins.         | 11.00          | 10.00    |  |
| Juniper, Hetz, 6 to 8 ins.            | 10.00          | 09.00    |  |
| Juniper, Pfitzer, 6 to 8 ins.         | 11.00          | 10.00    |  |
| Juniper, Swedisch, 6 to 8 ins.        | 10.00          | 09.00    |  |
| Taxus browni, 6 to 8 ins.             | 11.00          | 10.00    |  |
| Taxus hispida, 6 to 8 ins.            | 10.00          | 09.00    |  |
| Taxus cuspidata, 6 to 8 ins.          | 10.00          | 09.00    |  |
| Taxus capitata (leaders), 6 to 8 ins. | 13.00          | 12.00    |  |
| Taxus densiformis, 6 to 8 ins.        | 10.00          | 10.00    |  |
| Taxus hatfieldi, 6 to 8 ins.          | 11.00          | 10.00    |  |
| 1-YR. TRANSPLANTS                     |                |          |  |
| Taxus cuspidata                       | 18.00          | 16.00    |  |
| Taxus hispida                         | 18.00          | 16.00    |  |
| Arborvitae woodwardi                  | 16.00          | 15.00    |  |
| 2-YR. TRANSPLANTS                     |                |          |  |
| Arborvitae woodwardi                  | 22.00          | 20.00    |  |
| Taxus cuspidata                       | 26.00          | 24.00    |  |
| Taxus hispida                         | 26.00          | 24.00    |  |
| Juniper, Irish                        | 23.00          | 20.00    |  |
| Euonymus vegetus, large-leaved        | 15.00          | 13.00    |  |
| Euonymus vegetus, small-leaved        | 15.00          | 13.00    |  |
| Euonymus alatus                       | 20.00          | 18.00    |  |
| 3-YR. TRANSPLANTS                     |                |          |  |
| Taxus hispida                         | 34.00          | 32.00    |  |
| Taxus cuspidata                       | 34.00          | 32.00    |  |
| Taxus hatfieldi                       | 34.00          | 32.00    |  |
| Taxus densiformis                     | 36.00          | 34.00    |  |
| 2-YR. SEEDLINGS                       |                |          |  |
| Colorado Blue Spruce                  | 08.00          | 08.00    |  |
| Taxus capitata                        | 12.00          | 10.00    |  |
| GRAFTS                                |                |          |  |
| Koster Blue Spruce                    | \$1.25 each    |          |  |
| Moerheim Blue Spruce                  | 1.25 each      |          |  |
| Swart Blue Spruce                     | 1.25 each      |          |  |
| GRAFTS                                |                |          |  |
|                                       | Per 10         | Per 100  |  |
| Juniper, Burk                         | \$0.55         | \$0.50   |  |
| Juniper, Canaan                       | 55.00          | 50.00    |  |
| Juniper, Dundee                       | 55.00          | 50.00    |  |
| Juniper, Keteleer                     | 55.00          | 50.00    |  |
| Juniper, Hillapre                     | 55.00          | 50.00    |  |
| 50 of variety at 100 rate.            |                |          |  |
| 300 of a variety at 1000 rate.        |                |          |  |
| DRAKES NURSERIES                      |                |          |  |
| G-4342 Branch Rd.                     | Flint 6, Mich. |          |  |

AUSTRIAN PINE SEEDLINGS  
Surplus stock, Michigan state inspected, top-quality, 2-yr. Austrian Pine seedlings, 2 to 5 ins., \$10.00 per 1000, F.O.B. Bellaire. For prepaid shipment, add \$1.50 per 1000. Discount on large quantities. Cash with order, please.

STROM'S EVERGREEN PLANTATION  
Bellaire 28, Mich.

## EVERGREEN LINERS

| 2 1/2-IN. POTTED LINERS  | Each       | 100     | 1000     |
|--|------------|---------|----------|
| Juniper, Armstrong, 2-yr.  | \$0.22 1/2 | \$20.00 | \$200.00 |
| Juniper, Pfitzer   | .21        | 18 1/2  |          |
| Juniper, Blue Pfitzer  | .21        | 18 1/2  |          |
| Arborvitae, pyramidal  | .19        | 16 1/2  |          |
| Arb., Berckmans' Biota,  |            |         |          |
| 2-yr.  | .17 1/2    | 15      |          |
| Taxus, Adams, 2-yr.  | .22 1/2    | 20      |          |
| Taxus andersoni  | .19        | 16 1/2  |          |
| Taxus cuspidata  | .19        | 16 1/2  |          |
| Taxus hispida  | .19        | 16 1/2  |          |
| Taxus hatfieldi  | .19        | 16 1/2  |          |
| Taxus media  | .19        | 16 1/2  |          |
| Taxus media No. 8  | .21        | 18      |          |
| FIELD-GROWN LINERS, from pots and transplanted to nursery row.   |            |         |          |
| Juniper, Armstrong, 2-yr.  | .35        | 30      |          |
| Juniper, Pfitzer, 1-yr.  | .27 1/2    | 22 1/2  |          |
| Juniper, Blue Pfitzer, 1-yr.                                     | .27 1/2    | 22 1/2  |          |
| Arb., Woodward Globe, 1-yr.                                      | .27 1/2    | 22 1/2  |          |
| 2-yr.  | .30        | 25      |          |
| 3-yr.  | .35        | 30      |          |
| Arb., Woodward Globe, 1-yr.                                      | .27 1/2    | 22 1/2  |          |
| ROOTED CUTTINGS, heavy rooted cuttings in lath house, ready now. |            |         |          |
| Juniper, Pfitzer   | .12        | 11      |          |
| Taxus, Adams   | .11        | 10      |          |
| Taxus browni   | .10        | 09      |          |
| Taxus cuspidata  | .10        | 09      |          |
| Taxus hispida  | .10        | 09      |          |
| Taxus media  | .11        | 10      |          |
| TERMS: Cash with order, free packing.                            |            |         |          |
| 300 plants a variety at 1000 rate.                               |            |         |          |
| Special quotations on large quantities.                          |            |         |          |
| VOGE NURSERY   |            |         |          |
| New Lebanon, O.  |            |         |          |

## EVERGREEN LINERS

## Heavy rooted, 2 1/2-in. pots.

## Spring 1960 delivery.

| ARBORVITAE                    | 100     | 1000     |
|-------------------------------|---------|----------|
| American, dark green          | \$20.00 | \$180.00 |
| Globe                         | 20.00   | 180.00   |
| Siberian                      | 20.00   | 180.00   |
| JUNIPERS                      |         |          |
| Andorra                       | 20.00   | 175.00   |
| Pfitzer                       | 22.50   | 200.00   |
| Savin                         | 20.00   | 180.00   |
| EVERGREENS, LINING-OUT STOCK  |         |          |
| FIR                           |         |          |
| Douglas, 2 to 6 ins.          | \$ 3.50 | \$ 30.00 |
| 6 to 9 ins.                   | 4.50    | 40.00    |
| PINE                          |         |          |
| Austrian, 6 to 9 ins.         | 5.00    | 45.00    |
| 9 to 12 ins.                  | 6.00    | 55.00    |
| Scotch, 6 to 9 ins.           | 4.00    | 35.00    |
| 9 to 12 ins.                  | 5.00    | 45.00    |
| 12 to 18 ins.                 | 8.00    | 75.00    |
| SPRUCE                        |         |          |
| Black Hills, 4 to 6 ins.      | 4.00    | 35.00    |
| 6 to 9 ins.                   | 6.00    | 55.00    |
| 9 to 12 ins.                  | 8.00    | 75.00    |
| 9 to 12 ins., TT.             | 35.00   | 300.00   |
| 12 to 18 ins., TT.            | 50.00   | 450.00   |
| White, 9 to 12 ins., TT.      | 30.00   | 250.00   |
| 12 to 18 ins., TT.            | 40.00   | 350.00   |
| Norway, 9 to 12 ins., TT.     | 30.00   | 250.00   |
| 12 to 18 ins., TT.            | 45.00   | 400.00   |
| Colorado Blue, 4 to 6 ins.    | 4.50    | 40.00    |
| 6 to 9 ins.                   | 5.50    | 50.00    |
| JUNIPER                       |         |          |
| Scopolorum, 6 to 9 ins.       | 5.00    | 45.00    |
| 9 to 12 ins.                  | 6.00    | 55.00    |
| THE LAKE CITY NURSERIES, INC. |         |          |
| Lake City, Minn.              |         |          |

## CHRISTMAS TREE PLANTING STOCK.

| SCOTCH PINE, French strain, deep green             | Per 100        | Per 1000 |
|--|----------------|----------|
| 2-yr. seedlings, 2 to 4 ins.                       | \$ 2.00        | \$ 10.00 |
| 2-yr. seedlings, 4 to 8 ins.                       | 5.00           | 25.00    |
| 3-yr. seedlings, 15 to 20 ins.                     | 6.00           | 30.00    |
| 2-2 transplants, 8 to 14 ins.                      | 15.00          | 75.00    |
| SCOTCH PINE, Spanish strain, excellent blue-green. |                |          |
| 2-yr. seedlings, 2 to 4 ins.                       | 2.00           | 10.00    |
| 2-yr. seedlings, 4 to 8 ins.                       | 5.00           | 25.00    |
| SCOTCH PINE, Highland strain                       |                |          |
| 3-yr. seedlings, 15 to 20 ins.                     | 6.00           | 30.00    |
| AMERICAN RED PINE                                  |                |          |
| 2-yr. seedlings, 2 to 4 ins.                       | 3.00           | 15.00    |
| AUSTRIAN PINE                                      |                |          |
| 2-yr. seedlings, 4 to 6 ins.                       | 4.00           | 20.00    |
| SITKA SPRUCE                                       |                |          |
| 5-yr. seedlings, 18 to 24 ins.                     | 5.00           | 25.00    |
| COLORADO BLUE SPRUCE                               |                |          |
| 2-yr. seedlings, 2 to 4 ins.                       | 5.00           | 25.00    |
| 3-yr. seedlings, 8 to 15 ins.                      | 9.00           | 45.00    |
| 2-2 transplants, 6 to 10 ins.                      | 14.00          | 70.00    |
| WHITE SPRUCE                                       |                |          |
| 2-yr. seedlings, 5 to 10 ins.                      | 6.00           | 30.00    |
| 3-yr. seedlings, 10 to 20 ins.                     | 8.00           | 40.00    |
| 2-2 transplants, 8 to 12 ins.                      | 10.00          | 50.00    |
| NORWAY SPRUCE                                      |                |          |
| 3-yr. seedlings, 10 to 20 ins.                     | 8.00           | 40.00    |
| DOUGLAS FIR  |                |          |
| 2-yr. seedlings, 5 to 10 ins.                      | 8.00           | 40.00    |
| 3-yr. seedlings, 6 to 12 ins.                      | 10.00          | 50.00    |
| 2-2 transplants, 8 to 14 ins.                      | 15.00          | 80.00    |
| Order direct write for complete list.              |                |          |
| CLAIR JOHNSTON & SON NURSERIES                     |                |          |
| Box 148  | Creekside, Pa. |          |

## EVERGREEN LINERS

|                                     |  |
|-------------------------------------|--|
| Picea pungens glauca kosteriana.    |  |
| Picea pungens glauca moerheimii.    |  |
| Pot-grown grafts. May shipment.     |  |
| \$110.00 per 100, \$500.00 per 500. |  |
| J. BLAAUW & CO., LINCROFT, N. J.    |  |

## CONIFEROUS EVERGREEN SEEDLINGS

|  | Per 100              | Per 1000 |
|--|----------------------|----------|
| Thuja occidentalis, 2-yr.                                    |                      |          |
| 2 to 4 ins.  | \$2.50               | \$15.00  |
| Abies balsamea, native, 2-yr.                                |                      |          |
| 2 to 4 ins.  | 3.00                 | 20.00    |
| Pseudotsuga taxifolia glauca (Rocky Mt.), 2-yr., 2 to 4 ins. |                      |          |
| 2-yr., 4 to 6 ins.   | 3.00                 | 20.00    |
| Abies concolor, 2-yr., 2 to 4 ins.                           |                      |          |
| 2-yr., 4 to 6 ins.   | 4.00                 | 30.00    |
| Juniperus virginiana, seeds collected locally; 2-yr.         |                      |          |
| 2 to 4 ins.  | 3.50                 | 25.00    |
| Pinus nigra, 3-yr., 4 to 6 ins.                              |                      |          |
| 2 to 4 ins., native  | 4.00                 | 30.00    |
| Pinus resinosa, 2-yr.  |                      |          |
| 2 to 4 ins., native  | 3.00                 | 20.00    |
| Pinus sylvestris, 2-yr.                                      |                      |          |
| 2 to 4 ins.  | 2.50                 | 15.00    |
| Pinus mugo mughus, 3-yr.                                     |                      |          |
| 2 to 3 ins.  | 4.00                 | 30.00    |
| Picea mariana, 3-yr., 4 to 6 ins.                            |                      |          |
| 4 to 6 ins.  | 3.00                 | 20.00    |
| Picea pungens glauca, from select seed, 2-yr., 2 to 4 ins.   |                      |          |
| 2-yr., 4 to 6 ins.   | 3.00                 | 20.00    |
| Picea engelmannii, 3-yr.                                     |                      |          |
| 3 to 5 ins.  | 2.50                 | 15.00    |
| Picea excelsa, 2-yr.   |                      |          |
| 2 to 4 ins.  | 2.50                 | 15.00    |
| 3-yr., 4 to 6 ins.   |                      |          |
| 4 to 6 ins.  | 3.00                 | 20.00    |
| Picea canadensis alba, native;                               |                      |          |
| 2-yr., 2 to 4 ins.   | 2.50                 | 15.00    |
| 3-yr., 4 to 6 ins.   | 3.50                 | 25.00    |
| Cash with order.   | F.O.B. Pembine, Wis. |          |
| Price list on request.                                       |                      |          |
| C. WILSON'S NURSERY, PEMBINE, WIS.                           |                      |          |

## EVERGREENS

| SEEDLINGS AND TRANSPLANTS                       |  |          |
|---|--|----------|
| NORWAY SPRUCE                                   |  | Per 1000 |
| 4-yr. transplants, 5 to 8 ins.                  |  | \$45.00  |
| 4-yr. transplants, 9 to 14 ins.                 |  | 60.00    |
| WHITE SPRUCE                                    |  |          |
| 4-yr. transplants, 5 to 8 ins.                  |  | 40.00    |
| 4-yr. transplants, 9 to 14 ins.                 |  | 55.00    |
| COLORADO BLUE SPRUCE                            |  |          |
| 2-yr. seedlings, 3 to 6 ins.                    |  | 22.00    |
| 4-yr. transplants, 4 to 6 ins.                  |  | 60.00    |
| 4-yr. transplants, 7 to 10 ins.                 |  | 70.00    |
| BLACK HILLS SPRUCE                              |  |          |
| 4-yr. transplants, 4 to 6 ins.                  |  | 55.00    |
| 4-yr. transplants, 7 to 10 ins.                 |  | 65.00    |
| BLUE DOUGLAS FIR                                |  |          |
| 4-yr. transplants, 4 to 6 ins.                  |  | 45.00    |
| 4-yr. transplants, 7 to 12 ins.                 |  | 60.00    |
| GRAY DOUGLAS FIR                                |  |          |
| 4-yr. transplants, 6 to 10 ins.                 |  | 65.00    |
| 4-yr. transplants, 11 to 16 ins.                |  | 80.00    |
| SCOTCH PINE                                     |  |          |
| French d'Auvergne, 2-yr. seedlings, 6 to 8 ins. |  | 18.00    |
| Austrian Hills, 4-yr. transplants, 9 to 12 ins. |  | 40.00    |
| 4-yr. transplants, 12 to 16 ins.                |  | 50.00    |
| AUSTRIAN PINE                                   |  |          |
| 4-yr. transplants, 6 to 8 ins.                  |  | 45.00    |
| 4-yr. transplants, 8 to 12 ins.                 |  | 55.00    |
| 5-yr. transplants, 14 to 20 ins.                |  | 75.00    |
| Satisfaction guaranteed.                        |  |          |



| EVERGREENS   |        | Each, 100 1000 |  |
|--|--------|----------------|--|
| ROOTED CUTTINGS                                    |        |                |  |
| Arborvitae, American, dark green, 6 to 8 ins. .... | \$0.10 | \$0.09         |  |
| Arborvitae, pyramidal, 6 to 8 ins. ....            | .10    | .09            |  |
| Arborvitae, globe, 4 to 8 ins. ....                | .10    | .09            |  |
| Juniper, Hetz, 6 to 8 ins. ....                    | .10    | .09            |  |
| Juniper, Pfitzer, 6 to 8 ins. ....                 | .10    | .09            |  |
| Juniper, Savin, 6 to 8 ins. ....                   | .10    | .09            |  |
| Juniper, Von Ehron, 6 to 8 ins. ....               | .10    | .09            |  |
| Juniper, Andorra, 6 to 8 ins. ....                 | .10    | .09            |  |
| Taxus cuspidata, 6 to 8 ins. ....                  | .09    | .08            |  |
| Taxus hunnewelliana, 6 to 8 ins. ....              | .10    | .09            |  |
| Taxus hicksii, 6 to 8 ins. ....                    | .10    | .09            |  |
| Taxus capitata (leaders), 6 to 8 ins. ....         | .13    | .12            |  |
| 2-YR. TRANSPLANTS                                  |        |                |  |
| Juniper, Andorra .....                             | .22    | .20            |  |
| Juniper, Savin .....                               | .22    | .20            |  |
| Juniper, Von Ehron .....                           | .22    | .20            |  |
| Juniper, Hetz .....                                | .22    | .20            |  |
| Taxus hicksii .....                                | .22    | .20            |  |
| Taxus cuspidata .....                              | .22    | .20            |  |
| Taxus capitata .....                               | .32    | .30            |  |
| 1-YR. TRANSPLANTS                                  |        |                |  |
| Taxus cuspidata .....                              | .18    | .16            |  |
| Juniperus sabina .....                             | .18    | .16            |  |
| 250 per variety at 1000 rate. Spring delivery.     |        |                |  |

250 per variety at 1000 rate. Spring delivery.

20 PER CENT DISCOUNT ON 1000 OR MORE ROOTED CUTTINGS.

Cash with order.

DE WINTER'S NURSERY  
653 Port Sheldon Rd. Grandville, Mich.

|         |  |         |
|---------|--|---------|
| WIS.    |  | Per 100 |
| TS      | 200 Taxus cuspidata, 3 ins., potted,     |         |
| er 1000 | 2-yr., heavy                             | \$32.50 |
| \$45.00 | 850 Taxus cuspidata, 3 ins., potted,     |         |
| 60.00   | 2-yr.                                    | 27.50   |
|         | 600 Hatfield Yew, 3 ins., potted, 3-yr., |         |
|         | heavy (upright hedge type) ...           | 37.50   |
| 40.00   | 1500 Hatfield Yew, 3 ins., potted,       |         |
| 55.00   | 2-yr. (upright hedge type) ...           | 27.50   |
|         | 800 Halloran Yew, 3 ins., potted,        |         |
|         | 2-yr.                                    | 32.50   |

JUNIPERS  
1250 Andorra Juniper, 3 ins., potted, 2-yr., heavy (\$250.00 per 1000). 27.50  
All of the above plants are ready for field planting. Unshaded after the first year.

EVERGREEN CUTTINGS FOR MAY

| Per 1000                           |         | Per 1000 |  |
|------------------------------------|---------|----------|--|
| 5000 Taxus media hicksii           | \$95.00 |          |  |
| 2500 Taxus wardii                  | 105.00  |          |  |
| 750 Taxus brownii                  | 95.00   |          |  |
| 750 Taxus media hatfieldii         | 95.00   |          |  |
| 900 Owen's compact Pfitzer Juniper | 95.00   |          |  |

10 per cent discount if picked up at our nursery.

AL NORDHEDEN, LANDSCAPER  
West End Greenhouses  
Box 82, 1200 W. Goodwin, Urbana, Ill.

EVERGREEN LINERS

(Seedlings and transplants.)

| Per 1000                        |         | Per 1000 |  |
|---------------------------------|---------|----------|--|
| DOUGLAS FIR (4 to 12 ins.)      | \$30.00 |          |  |
| 2-yr. seedlings, 3 to 5 ins.    | 4.50    | 38.00    |  |
| 2-yr. transplants, 4 to 6 ins.  | 7.00    | 38.00    |  |
| 4-yr. transplants, 7 to 10 ins. | 9.00    | 45.00    |  |

WHITE FIR (grandis)

|                                |      |       |  |
|--------------------------------|------|-------|--|
| 2-yr. seedlings, 4 to 6 ins.   | 6.00 | 30.00 |  |
| 2-yr. transplants, 6 to 8 ins. | 8.00 | 40.00 |  |

WHITE FIR (concolor)

|                                 |      |       |  |
|---------------------------------|------|-------|--|
| 2-yr. seedlings, 4 to 6 ins.    | 7.00 | 36.00 |  |
| 2-yr. transplants, 8 to 12 ins. | 9.00 | 45.00 |  |

COLORADO BLUE SPRUCE

|                                |       |       |  |
|--------------------------------|-------|-------|--|
| 2-yr. seedlings, 3 to 4 ins.   | 7.00  | 35.00 |  |
| 2-yr. transplants, 4 to 6 ins. | 8.00  | 40.00 |  |
| 4-yr. transplants, 6 to 8 ins. | 10.00 | 50.00 |  |

SCOTS (SCOTCH) PINE

|                                 |      |       |  |
|---------------------------------|------|-------|--|
| 2-yr. seedlings, 4 to 6 ins.    | 5.00 | 25.00 |  |
| 2-yr. transplants, 6 to 8 ins.  | 6.00 | 30.00 |  |
| 3-yr. transplants, 8 to 12 ins. | 8.00 | 40.00 |  |

AUSTRIAN PINE

|                                 |      |       |  |
|---------------------------------|------|-------|--|
| 2-yr. seedlings, 3 to 5 ins.    | 5.00 | 25.00 |  |
| 3-yr. transplants, 6 to 10 ins. | 8.00 | 40.00 |  |

Full line of conifer seedlings and transplants. Write for free catalog and price list.

Nurseries in Montana and Washington State.

J. HOPERT CO.  
Box 3805 MAIN 3-0934 Seattle 24, Wash.

2-YR. POTS, OUTSIDE BEDS

| Per 100                            |         | Per 100 |  |
|------------------------------------|---------|---------|--|
| Ilex burfordii                     | \$15.00 |         |  |
| Ilex crenata                       | 15.00   |         |  |
| Ilex cornuta                       | 20.00   |         |  |
| Ilex convexa                       | 15.00   |         |  |
| Ilex rotundifolia                  | 15.00   |         |  |
| Ilex vomitoria                     | 15.00   |         |  |
| Ilex opaca femina                  | 20.00   |         |  |
| Lonicera nitida, dwarf             | 15.00   |         |  |
| Cotoneaster microphylla, evergreen | 15.00   |         |  |

1-YR. ROOTED CUTTINGS, GREENHOUSE

|                                    |        |  |  |
|------------------------------------|--------|--|--|
| Ilex burfordii                     | \$5.00 |  |  |
| Ilex fosteri                       | 8.00   |  |  |
| Ilex vomitoria                     | 7.00   |  |  |
| Cotoneaster microphylla, evergreen | 7.00   |  |  |
| Lonicera nitida                    | 6.00   |  |  |
| Wax Privet (upright)               | 5.00   |  |  |

CASH, PLEASE

BROSEMER NURSERY  
R. 1, Box 197 Huntsville, Ala.

FRENCH STRAIN SCOTCH PINE

Seedlings, well-rooted, 2-yr.-old, 2 to 6 ins. tall, 100, \$3.00; 1000, \$12.00; 5000, \$50.00.

Free packing, cash with order.

MELLINGER'S NURS., AN, North Lima, O.

### QUALITY ROOTED CUTTINGS IN QUANTITY

| Each, 100 1000                       |        | Each, 100 1000 |  |
|--------------------------------------|--------|----------------|--|
| Juniper, Hetz, 7 to 8 ins.           | \$0.09 | \$0.03         |  |
| Juniper, Andorra, 6 to 7 ins.        | .09    | .03            |  |
| Juniper, Pfitzer, 6 to 7 ins.        | .10    | .09            |  |
| Juniper, Savin, 6 to 7 ins.          | .10    | .09            |  |
| Juniper, Von Ehron, 6 to 7 ins.      | .09    | .03            |  |
| Thuja Am., dark green; 6 to 7 ins.   | .10    | .03            |  |
| Thuja pyramidalis, 6 to 7 ins.       | .10    | .03            |  |
| Thuja woodwardi (globe), 6 to 7 ins. | .10    | .03            |  |
| Taxus andersonii, 7 to 8 ins.        | .10    | .09            |  |
| Taxus brownii, 7 to 8 ins.           | .10    | .09            |  |
| Taxus cuspidata, 7 to 8 ins.         | .08    | .07            |  |
| Taxus capitata, tip, 7 to 8 ins.     | .13    | .12            |  |
| Taxus hunnewelliana, 7 to 8 ins.     | .10    | .09            |  |
| Taxus hicksii, 7 to 8 ins.           | .10    | .09            |  |
| Taxus hatfieldii, 7 to 8 ins.        | .11    | .10            |  |
| Taxus intermedia, 7 to 8 ins.        | .11    | .10            |  |

Cuttings are uniform size, 300 plants of one variety at 1000 rate. Cash with order earns 2 per cent plus free packing.

LINCOLN NURSERIES  
Grand Rapids 4, Mich.

EVERGREEN SEEDLINGS

| 100 1000                  |        | 100 1000 |  |
|---------------------------|--------|----------|--|
| Douglas Fir, 4 to 8 ins.  | \$5.00 | \$25.00  |  |
| Scotch Pine, 6 to 10 ins. | 5.00   | 20.00    |  |

3-YR.-OLD

|                                  |       |       |  |
|----------------------------------|-------|-------|--|
| Douglas Fir, 5 to 10 ins.        | 7.00  | 35.00 |  |
| Concolor Fir, 4 to 8 ins.        | 12.00 | 55.00 |  |
| Austrian Pine, 10 to 14 ins.     | 8.50  | 42.50 |  |
| Jap. Black Pine, 10 to 13 ins.   | 12.00 | 60.00 |  |
| Scotch-French, 10 to 15 ins.     | 7.50  | 30.00 |  |
| Scotch-Spanish, 10 to 16 ins.    | 7.50  | 30.00 |  |
| Black Hills Spruce, 3 to 6 ins.  | 6.50  | 25.00 |  |
| 4 to 8 ins.                      | 8.00  | 40.00 |  |
| Cal. Blue Spruce, 4 to 8 ins.    | 8.00  | 40.00 |  |
| American Arborvitae, 3 to 6 ins. | 5.00  | 22.50 |  |
| 4 to 8 ins.                      | 7.00  | 32.50 |  |

4-YR.-OLD

|                                   |       |       |  |
|-----------------------------------|-------|-------|--|
| American Arborvitae, 6 to 14 ins. | 8.00  | 38.00 |  |
| Col. Blue Spruce, 6 to 12 ins.    | 10.00 | 50.00 |  |

Remittance with order. Plants at 100 rate sent prepaid to zone 5. 500 plants at the 1000 rate, express or parcel post collect.

NEUNER'S EVERGREEN NURSERY  
368 Elcher Rd. Pittsburgh 2, Pa.

ROOTED CUTTINGS

Ready for shipment after April 1, 1960.

Each 100 rate, 10c; each 1000 rate, 8c.

Chinese glaucous hetzli

Chinese glaucous hetzli

Chinese glaucous hetzli

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### EVERGREEN SEEDLINGS

| Per 100                         |        | Per 1000 |  |
|---------------------------------|--------|----------|--|
| Scotch Pine, 3 to 16 ins.       | \$4.00 | \$20.00  |  |
| Scotch Pine, 4 to 8 ins.        | 3.00   | 15.00    |  |
| Austrian Pine, 3 to 16 ins.     | 4.00   | 20.00    |  |
| Austrian Pine, 4 to 8 ins.      | 3.00   | 15.00    |  |
| Red Pine, 3 to 16 ins.          | 4.00   | 20.00    |  |
| White Spruce, 3 to 5 ins.       | 3.00   | 17.50    |  |
| Norway Spruce, 3 to 4 ins.      | 3.00   | 15.00    |  |
| Eastern Red Cedar, 6 to 10 ins. | 4.00   | 20.00    |  |
| Eastern Red Cedar, 4 to 8 ins.  | 4.00   | 20.00    |  |

TERMS: Cash with order earns free packing, otherwise 25 per cent down, balance before shipment.

### DUNEGAN NURSERY

Clymer, Pa.

EVERGREENS, LINERS

| Per 100                |         | Per 1000 |  |
|------------------------|---------|----------|--|
| 3-YR., T. FIELD        |         |          |  |
| Taxus cuspidata        | \$30.00 | \$280.00 |  |
| Taxus media andersonii | 30.00   | 280.00   |  |
| Taxus media brownii    | 30.00   | 280.00   |  |
| Taxus media hicksii    | 30.00   | 280.00   |  |

\*Euonymus vegetus, 12 to 15 ins. 28.00 250.00

\*Ilex convexa, 12 to 15 ins. 28.00 250.00

\*Ilex rotundifolia, 12 to 15 ins. 28.00 250.00

SEEDLINGS

Cotoneaster divaricata, 10 to 15 ins. 12.00

\*Suitable for canning or cash and carry.

HERMAN LOSELY & SON  
Haskins Rd. Chagrin Falls, O.

### JUNIPER GRAFTS

Varieties: Canaertii, keteleeri, burki, glauca, Dundee, Chinese columnaris, blue; Pfitzer and hetzli. All on virginiana understock.

Price, 45c each, regardless of the number purchased.

Terms: One-fourth cash with order and the balance before shipping date. Boxing and packing at cost. All cash with order earns free boxing and packing.

WHEN BETTER GRAFTS ARE MADE, CRUME WILL MAKE THEM.

T. C. CRUME NURSERY  
& LANDSCAPING CO.

Hightway 42 Florence, Ky.

Phone ATlantic 1-2361

### ROOTED CUTTINGS

Strong, true to type, rooted cuttings of the following:

Taxus varieties: Brownii, kelseyi, hicksii, femina, wardii, Hill's dwarf pyramidal, dwarf erecta and cuspidata.

Hill's pyramidal and boothii Arborvitae.

These are large cuttings, hormone treated and radiant heat grown, producing an abundance of strong roots.

\$10.00 per 100, \$90.00 per 1000.

Order today. Pay in May.

Plants ready May 20 to June 1.

Free packing for cash with order or June 1.

ARTLEY'S NURSERY  
339 Cherry St. Montoursville, Pa.

### QUALITY LINERS

| Per 100                                  |         | Per 100 |  |
|--|---------|---------|--|
| Douglas Fir (blue), 5 to 12 ins., tr.    | \$15.00 |         |  |
| White Pine, 6 to 14 ins., tr.            | 17.50   |         |  |
| Japanese Boxwood, 6 to 8 ins., tr.       | 17.50   |         |  |
| Colorado Blue Spruce, 5 to 10 ins., tr.  | 20.00   |         |  |
| Canadian Hemlock, 5 to 10 ins., tr.      | 20.00   |         |  |
| Enkianthus camp., 8 to 12 ins., tr.      | 25.00   |         |  |
| Ligustrum lucidum, 8 to 15 ins., tr.     | 25.00   |         |  |
| Taxus (best varieties), 6 to 8 ins., tr. | 27.50   |         |  |
| Azalea mucronulatum, 6 to 10 ins., tr.   | 35.00   |         |  |
| Pink Flg. Dogwood, 10 to 15 ins., tr.    | 75.00   |         |  |

Send for new spring list.

POSSUM HOLLOW NURSERIES  
6909 Henley St. Philadelphia 19, Pa.

### TAXUS AND JUNIPER LINERS

| Per 100            |         | Per 100 |  |
|--------------------|---------|---------|--|
| Taxus thayerae     | \$30.00 |         |  |
| Taxus henryi       | 30.00   |         |  |
| Taxus F&P compacta | 30.00   |         |  |
| Taxus hicksii      | 30.00   |         |  |
| Juniperus hetzli   | 30.00   |         |  |
| Juniper, Andorra   | 30.00   |         |  |

## EVERGREENS, Liners—Continued

| ROOTED CUTTINGS  |                     |
|--|---------------------|
| These cuttings were rooted summer, 1959.                             |                     |
| Ilex convexa   | .....\$0.05         |
| Ilex microphylla   | .....05             |
| Ilex convexa, 2 1/4-in. pots   | .....15             |
| Ilex rotundifolia, 2 1/4-in. pots                                    | .....15             |
| 1-YR. FIELD-GROWN LINERS   |                     |
| Andorra Juniper, bare-root   | .....10             |
| Hetz Juniper, bare-root  | .....10             |
| Von Ehrn Juniper, bare-root  | .....10             |
| Savin Juniper, bare-root   | .....10             |
| STRAIN & SONS NURSERY  |                     |
| Route 7  | Athens, Ala.        |
| Scotch Pine seedlings, French Green, German, Scotch Highland.        |                     |
| 2-yr., 2 to 4 ins.   | .....\$3.00 \$10.00 |
| 2-yr., 3 to 6 ins.   | .....4.00 12.00     |
| 3-yr., 6 to 14 ins.  | .....5.00 15.00     |
| Colorado Blue Spruce, 3 to 6 ins.                                    | .....6.00 25.00     |
| White Spruce, 3 to 6 ins.  | .....6.00 25.00     |
| Douglas Fir, 3 to 6 ins.   | .....6.00 25.00     |
| Cash, or 25 per cent down and balance before shipment. We ship free. |                     |
| West Olive Nursery & Evergreens, R. 1, West Olive, Mich.             |                     |

## ARBORVITAE

|                                       |          |
|---------------------------------------|----------|
| 2-yr. transplants, field beds, heavy. |          |
| 5000 Woodward globe                   | .....25c |
| 5000 pyramidal                        | .....25c |

See our ads under Evergreens, B&amp;B and Shrubs and Trees.

## NAGLE'S NURSERY

|                       |                |
|-----------------------|----------------|
| R. 2, Box 267         | Decatur, Mich. |
| Phone GARfield 3-3739 |                |

## EVERGREEN LINERS

| Heavy 2-yr., 2 1/4-in. potted liners, individually sheared last summer. |                       |
|---|-----------------------|
|   | Per 100 Per 1000      |
| Pfitzer Juniper   | .....\$20.00 \$180.00 |
| Hetz Juniper  | .....20.00 180.00     |
| Andorra Juniper   | .....20.00 180.00     |
| Cash with order, please.  |                       |
| DIEHL'S NURSERY   |                       |
| R. R. 1, Box 150  | Columbia, Ill.        |

## PINE TREE SEEDLINGS

|   |              |
|---|--------------|
| Austrian Pine and Scotch Pine of French strain or Austrian Hill strain. |              |
|   | Per 1000     |
| 3-yr., 8 to 10 ins.   | .....\$12.00 |
| 3-yr., 8 to 12 ins.   | .....20.00   |
| 4-yr., 12 to 16 ins.  | .....25.00   |

## KISSINGER'S NURSERY

|   |                     |
|---|---------------------|
| 26 Ridge Ave.                           | Homer City, Pa.     |
| Evergreen seedlings, F.O.B. Pulaski     |                     |
| Scotch Pine                             | 100 1000            |
| French, 3-yr., 12 to 15                 | .....\$6.00 \$30.00 |
| French, 2-yr., 6 to 9                   | .....4.00 20.00     |
| Spanish, 2-yr., 4 to 6                  | .....4.00 20.00     |
| Herbst non-yellowing, 9 to 12           | .....4.00 20.00     |
| Austrian Pine, 3-yr., 10 to 15          | .....6.00 30.00     |
| Blue Douglas Fir (Colo.), 2-2, 10 to 15 | .....6.00 30.00     |
| Colo. Blue Spruce, 2-2, 10 to 15        | .....6.00 30.00     |
| Stupka Nursery, R. 1, Pulaski, Pa.      |                     |

| FROM OPEN FRAMES AND FIELD ROWS                   |           |
|---|-----------|
| 100,000 Ilex burfordii, rooted cuttings           | ...4c     |
| 100,000 Ilex rotundifolia, rooted cuttings        | ...4c     |
| 100,000 Wax Ligustrum (luccidum), rooted cuttings | ...2 1/2c |
| 20,000 Euonymus patens, 4 to 6 ins.               | ...3c     |
| 20,000 Euonymus patens, 2-yr. field               | ...8c     |
| E. F. DUBOSE NURSERY                              |           |
| Huntsville, Ala.                                  |           |

## EVERGREEN LINERS AND CUTTINGS

| ROOTED CUTTINGS      |          |
|----------------------|----------|
| Pfitzer Juniper      | .....10c |
| 2 1/4-IN. POTTED     |          |
| Pfitzer Juniper      | .....20c |
| Pfitzer Hetz Juniper | .....20c |
| Yews                 | .....20c |

## TOWNSEND EVERGREEN NURSERY

|               |                     |
|---------------|---------------------|
| S. Walnut St. | Hartford City, Ind. |
|---------------|---------------------|

## PICEA OMORIKA

|   |  |
|---|--|
| (Siberian Spruce)   |  |
| The most beautiful, graceful and hardiest of all Spruces. 2-yr. seedlings, 3 to 12 ins., \$25.00 per 100. |  |

## PARMENTIER'S ROSES

|                       |  |
|-----------------------|--|
| Bayport, L. I., N. Y. |  |
| Phone Bayport 8-8811. |  |

## CHRISTMAS TREE SEEDLINGS

|   |  |
|---|--|
| French and Spanish strains of Scotch Pine, 10 to 14 ins., \$20.00 per 1000; 5000 or more, \$15.00 per 1000; 4 to 8 ins., \$15.00 per 1000; 5000 or more, \$12.00 per 1000. Price list and planting guide free upon request. |  |
| BERKEY'S NURSERY, Spartansburg, Pa.   |  |

## OVERSTOCK SALE

|                    |                     |             |
|--------------------|---------------------|-------------|
|                    | 1000                | 10,000 lots |
| Scotch Pine, 3-yr. |                     |             |
| 6 to 12 ins.       | .....\$3.00 \$20.00 | \$15.00     |
| 2-yr., 4 to 8 ins. | .....2.50 15.00     | 10.00       |

## VERNON DALE NURSERY

|         |                |
|---------|----------------|
| R. D. 4 | Meadville, Pa. |
|---------|----------------|

## EVERGREEN LINERS

|  |  |
|--|--|
| Rooted cuttings, 1 and 2-yr. bedded stock of Taxus, Junipers and Arborvitae. |  |
| Write for detailed list.   |  |
| J. BLAAUW & CO., LINCROFT, N. J.   |  |

## EVERGREENS, B&amp;B

## ARE YOU LOOKING FOR LARGE SPECIMEN MATERIAL?

| First-quality, heavy and sheared.                     |              |
|---|--------------|
| Taxus cuspidata, 3 1/2 to 5 ft.                       |              |
| Taxus cuspidata nana, 3 1/2 to 5 ft.                  |              |
| Taxus hicksii, 3 1/2 to 6 ft.                         |              |
| Taxus capitata, 5 to 9 ft.                            |              |
| Ilex hetzi, 30, 36 and 42 ins.                        |              |
| Ilex rotundifolia, 30, 36 and 42 ins.                 |              |
| Thuja elegantissima, 5, 6 and 7 ft.                   |              |
| Pinus nigra (Austrian), 4, 5, 6 and 7 ft.             |              |
| Magnolia soulangeana, 6 to 9 ft.                      |              |
| Magnolia stellata, 6, 7 and 8 ft.                     |              |
| Euonymus alatus compactus, 5x5 and 6x6 ft.            |              |
| Euonymus vegetus Sarcocoe, 30, 36 and 42 ins.         |              |
| We have large plants in more varieties. See or write. |              |
| FAIRVIEW FLORAL NURSERY                               |              |
| 27819 Center Ridge Rd., U. S. 20                      | Westlake, O. |

## SHEARED STOCK, GOOD BALL

|  |             |
|--|-------------|
| Biota aurea nana, 12 to 15 ins.          | .....\$0.80 |
| Juniperus hibernica, 18 to 24 ins.       | .....1.00   |
| Juniperus excelsa stricta, 15 to 18 ins. | .....1.00   |
| Taxus cuspidata, 12 to 15 ins.           | .....2.00   |
| Taxus media hicksii, 15 to 18 ins.       | .....2.00   |
| Thuja occ. globosa, 8 to 10 ins.         | ......60    |
| Thuja occ. pyramidalis, 15 to 18 ins.    | .....1.00   |
| Euonymus japonicus, 18 to 24 ins.        | .....1.35   |
| Forsythia spectabilis, 2 to 3 ft.        | ......60    |
| Silver Maple, 6 to 8 ft.                 | .....1.35   |
| Flowering Hops Crab, 4 to 5 ft.          | .....1.60   |
| Write for complete wholesale price list. |             |

| SO. JERSEY COLONIAL NURSERIES, INC. |              |
|-------------------------------------|--------------|
| Route 45, R. D. 1                   | Salem, N. J. |
| Phone YELLOWstone 5-2356            |              |

## JUNIPERS

|   |  |
|---|--|
| 3000 Andorra, 12 to 15, 15 to 18, 18 to 24 ins. |  |
| 2000 Hetz, 15 to 18, 18 to 24 ins.              |  |
| 1000 Pfitzer, 12 to 15, 15 to 18 ins.           |  |
| Some 3 to 4 ft.                                 |  |

| ARBORVITAE  |  |
|---|--|
| 3000 Woodward globe, 12 to 15, 15 to 18 ins.  |  |
| 3000 nigra, 18 to 24, 24 to 30 ins.   |  |
| 1000 Pyramidal, 18 to 24 ins.   |  |
| Other kinds in smaller lots. See our ads under Lining-out, Evergreens and Shrubs and Trees. |  |

## NAGLE'S NURSERY

|                       |                |
|-----------------------|----------------|
| R. 2, Box 267         | Decatur, Mich. |
| Phone GARfield 3-3739 |                |

## EVERGREENS, B&amp;B

|  |             |
|--|-------------|
| Colo. Blue Spruce, sheared, 2 to 2 1/2 ft. | .....\$3.00 |
| 2 1/2 to 3 ft. sheared                     | .....3.65   |
| Norway and White Spruce, sheared,          |             |
| 2 to 2 1/2 ft.                             | .....2.15   |
| White Spruce, sheared, 3 to 4 ft.          | .....3.00   |
| Douglas Fir, sheared, 2 to 2 1/2 ft.       | .....2.35   |
| 4 to 5 ft. sheared                         | .....4.50   |
| Scotch Pine, sheared, 2 to 2 1/2 ft.       | .....2.35   |
| Sweet Gum, good heads, 1 1/2 to 1 1/2 ins. | .....3.50   |
| Red Maple, good heads, 1 1/2 to 2 ins.     | .....4.00   |
| 2 to 2 1/2 ins.                            | .....6.00   |

|  |                       |
|--|-----------------------|
| 8 Elizabeth Ave.                       | East Brunswick, N. J. |
| (Near Herberts Corner) Phone CL 7-2484 |                       |

## EVERGREENS

| Serbian Spruce, 4 to 16 ft.                |                |
|--|----------------|
| Douglas Fir, 5 to 8 ft.                    |                |
| Blue Spruce, 4 to 5 ft.                    |                |
| American Arborvitae, 4 to 7 ft.            |                |
| Intermedia Yew, 2 to 3 ft.                 |                |
| Carolina Rhododendron, 2 to 3 ft.          |                |
| Scotch and White Pine, sheared, 4 to 7 ft. |                |
| Write for price list.                      |                |
| Nursery located near Green Hill Lake.      |                |
| GIBALTAR (LEWIS) NURSERY                   |                |
| R. D. 1                                    | Birdsboro, Pa. |

## EVERGREENS

| AMERICAN RED PINE |   |
|-------------------|---|
| 2 to 3            | 3 to 3 1/2 3 1/2 to 4 4 to 4 1/2 4 1/2 to 5 |
| \$2.50            | \$3.00 \$3.50 \$4.25 \$4.50                 |

| EASTERN WHITE PINE |                             |
|--------------------|-----------------------------|
| \$2.75             | \$3.25 \$3.75 \$4.50 \$5.50 |

Planted as 3 and 4-yr. transplants in 1953. Trimmed carefully for 6 consecutive years. Above are all top quality, choice plants. B&amp;B.

## WADE CHRISTMAS TREE FARMS

|         |               |
|---------|---------------|
| Route 1 | Bellville, O. |
|---------|---------------|

## 5000 NORWAY RED PINE

|                    |  |
|--------------------|--|
| 2 1/2 to 3 1/2 FT. |  |
| \$1.00 EACH.       |  |

## TREESCAPE FARMS, DEXTER, ME.

## EVERGREENS, B&amp;B

|                                       |             |
|---------------------------------------|-------------|
| 1700 Hetz Juniper, 15 to 18 ins.      | .....\$1.75 |
| 2200 Hetz Juniper, 18 to 24 ins.      | .....2.00   |
| 2900 Hetz Juniper, 24 to 30 ins.      | .....2.50   |
| These are compact. All real beauties. |             |
| Phone evenings, 395.                  |             |

## WHERRY'S NURSERIES, ST. MARTY'S, W.VA.

| JUNIPERS, HETZ AND PFITZER  |  |
|---|--|
| 15 to 18 ins. to 24 to 30 ins., row-run, a dig them, \$50.00 per 100. |  |
| J. J. BUTTERFIELD, FARMINGTON, MO.                                    |  |

## EVERGREENS

|                                      |             |
|--------------------------------------|-------------|
| Globe Arborvitae, 12 to 15 ins., B&B | .....\$1.65 |
| Globe Arborvitae, 15 to 18 ins., B&B | .....1.75   |
| Hetz Juniper, 18 to 24 ins., B&B     | .....1.95   |
| Hetz Juniper, 24 to 30 ins., B&B     | .....2.45   |

Terms: Cash.

## SHARP'S EVERGREEN NURSERY

|                              |               |
|------------------------------|---------------|
| 413 S. Clinton St.           | Albion, Mich. |
| Phone NA 9-6370 or NA 9-4090 |               |

## NORWAY SPRUCE

|  |                    |
|--|--------------------|
| Well-sheared, full, heavy trees, good color. |                    |
|  | Each, 1-30 30 up   |
| 2 to 3 ft., B&B                              | .....\$2.75 \$2.50 |
| 3 to 4 ft., B&B                              | .....3.75 3.50     |
| 4 to 5 ft., B&B                              | .....4.75 4.50     |
| Row-run and you dig your own, \$2.50 each.   |                    |

## PAUL'S NURSERY

|         |            |
|---------|------------|
| R. D. 3 | Shelby, O. |
|---------|------------|

## SPECIMEN DOUGLAS FIR

4 times transplanted, average 7 ft., \$25.00 each. B&amp;B. Also Yews, Pfitzer and Andorra Junipers, Holly and Pines. 50 miles S. E. of Chicago. Phone Lowell 3514.

## THE EVERGREEN NURSERIES

Hebron, Ind.

## EVERGREENS, B&amp;B

|                                   |             |
|-----------------------------------|-------------|
| Thuja globosa, 12 to 15 ins.      | .....\$1.50 |
| Thuja nigra, 2 1/2 to 3 ft.       | .....2.50   |
| Thuja pyramidalis, 2 1/2 to 3 ft. | .....2.50   |
| Thuja wareana, 18 to 24 ins.      | .....1.70   |

## IMPERIAL NURSERIES

|                |                      |
|----------------|----------------------|
| P. O. Box 1000 | East Hartford, Conn. |
|----------------|----------------------|

|                                       |                    |
|---------------------------------------|--------------------|
| Red and White Pine                    | Each Each, 100     |
| 2 to 3 ft., B&B, sheared              | .....\$2.25 \$2.00 |
| 3 to 4 ft., B&B, sheared              | .....2.75 2.50     |
| 4 to 5 ft., B&B, sheared              | .....3.25 3.00     |
| Some 4 to 5 ft. red, No. 2            | .....2.25 2.00     |
| Phone LY 3-5135                       |                    |
| Sunnyvale Nursery, Box 85, Athens, O. |                    |

## EUONYMUS

## EUONYMUS LINERS

| ROOTED CUTTINGS from open frames |                       |
|----------------------------------|-----------------------|
|                                  | Per 100 Per 1000      |
| E. coloratus                     | .....\$ 6.50 \$ 45.00 |
| E. patens                        | .....7.00 50.00       |
| E. patens, small leaf            | .....7.00 50.00       |
| E. radicans upright, Sarcocoe    | .....8.00 60.00       |

## 2-YR. TRANSPLANTS

|                               |                   |
|-------------------------------|-------------------|
| E. coloratus                  | .....33.00 280.00 |
| E. radicans upright, Sarcocoe | .....35.00 300.00 |

## 3-YR. TRANSPLANTS

|                               |                   |
|-------------------------------|-------------------|
| E. radicans upright, Sarcocoe | .....55.00 500.00 |
|-------------------------------|-------------------|

## FOX NURSERY, HUMANSVILLE, MO.

## EUONYMUS

|                                |                    |
|--------------------------------|--------------------|
| E. alatus compactus, 2-yr., T. | Each, 100 1000     |
| 9 to 12 ins.                   | .....\$0.30 \$0.25 |
| 3-yr., T. 12 to 18 ins., br.   | ......45 .40       |

Suitable for mail order.

## C. HOOGENDOORN

## WHOLESALE NURSERYMAN

|                |                |
|----------------|----------------|
| 413 Turner Rd. | Newport, R. I. |
|----------------|----------------|

## FORSYTHIAS

## FORSYTHIA LYNWOOD GOLD

| 2 1/2 to 3 ft., branched, 40c. |                      |
|--------------------------------|----------------------|
| IMPERIAL NURSERIES             |                      |
| P. O. Box 1000                 | East Hartford, Conn. |

## FRUIT AND NUT TREES

## PECAN TREES, PAPER-SHELL

The nation's finest quality paper-shell Pecan trees. Vigorous, heavy calliper, smooth trees, grown under irrigation. All staked and trimmed for best appearance. Machine dug with the whole fibrous root system intact. Free, four-color Point of Purchase banners showing in life-like color, all varieties. Free planting guide for your customers. Order now while selections are complete. Varieties available: Stuart, Success, Mahan, Garner, Western Schley, Burkett. Write for prices on packaged trees in attractive four-color bags.

## PRICES, BARE-ROOT TREES

|            |                           |
|------------|---------------------------|
|            | 50 100 500                |
| 1 to 2 ft. | .....\$0.90 \$0.85 \$0.80 |
| 2 to 3 ft. | .....1.30 1.25 1.20       |
| 3 to 4 ft. | .....1.45 1.40 1.35       |
| 4 to 5 ft. | .....1.55 1.50 1.45       |
| 5 to 6 ft. | .....2.35 2.30 2.20       |
| 6 to 7 ft. | .....3.30 3.20 3.10       |

## WOLFE NURSERY

|          |                    |
|----------|--------------------|
| Box 2000 | Stephenville, Tex. |
|----------|--------------------|

## RED YORKING APPLE

One of the best table Apples as well as eating from hand.  
2-yr., 5 to 6 ft. trees, offered as a special in bulk, \$50.00 per 100; individually row-wrapped for store and garden center trade, \$65.00 per 100.

Other varieties also at low prices.

## WAYNESBORO NURSERIES

Waynesboro, Va.

## FRUIT TREE STOCK

For early spring delivery.  
East Malling type No. 7.  
Transplanted layers, home-grown.  
\$100.00 per 100.  
F.O.B. Lincoln Park, N. J.  
No packing charge.  
Sample on request.  
LINCOLN PARK NURSERIES  
Lincoln Park, N. J.

SPECIAL CLEANUP SALE  
ON FRUIT TREES

50 at 100 rate.

| PEARS                           | Each          |
|---------------------------------|---------------|
| 3 to 4 ft., 7/16-in., branched  | \$0.50        |
| 4 to 5 ft., 9/16-in., branched  | .60           |
| 5 to 6 ft., 11/16-in., branched | .70           |
| Kieffer                         | Early Harvest |
| Bartlett                        | Sackel        |
| Pineapple                       | LeConte       |
| PEACHES, DORMANT, BUDDED        |               |
| 18 to 24 ins.                   | \$0.20        |
| 2 to 3 ft., 5/16-in.            | .25           |
| 3 to 4 ft., 7/16-in.            | .30           |
| 4 to 5 ft., 9/16-in.            | .40           |

Elberta  
Digem  
Dixied  
Halehaven  
Golden Jubilee  
Redhaven  
No charge for packing when money received with order. Write for special prices on other items.

GILMORE PLANT & BULB CO.  
Julian, N. C.

## DWARF APPLES

1-yr., 9/16 and 7/16-in. stock.

MALLING II  
Fenton, McIntosh, Dark Red Delicious, Golden Delicious, Idared.  
MALLING VII  
Blackmac, Rogers McIntosh, Northern Spy, Dark Red Jonathan, Dark Red Delicious, Everts Red Delicious, Golden Delicious, Idared.  
MALLING IX  
Transparent, Dark Red McIntosh, Grimes, Dark Red Delicious, Dark Red Stayman.  
We also list a few 2-yr. trees and small quantities of a larger selection of varieties. Write or call for complete information.  
Phone Roann, TE 5-5751.  
LORNE J. DOUD

Route 1 Wabash, Ind.

## THOMAS BLACK WALNUT

Grafted trees our specialty, carefully grown, dug and packed to reach you in first-class condition. Repeat orders have built our business. No packing charge. Thomas Walnut, 2 to 3 ft., 10 trees, \$10.00; 3 to 4 ft., 10 trees, \$12.50; 4 to 5 ft., 10 trees, \$14.00. Book orders now to ensure delivery. C.O.D. shipments, send 25 per cent with order. We could not fill all orders for the past two seasons. Send for our list of fruit trees, Apple, Peach and Plum. No packing charge. Satisfaction guaranteed.

## CLINGER NURSERY

Highway 71 West Rogers, Ark.

## FRUIT TREES

PEACH TREES PLUM TREES  
Elberta Methley  
Early Elberta Blue Damson  
Triagem  
Richhaven  
Blake

| Each                  | 24 to 30 ins.            | Each |
|-----------------------|--------------------------|------|
| 10 to 12 ins. \$0.08  | 24 to 30 ins. \$0.17 1/2 |      |
| 12 to 18 ins. .10     | 30 to 36 ins. .20        |      |
| 18 to 24 ins. .12 1/2 | 3 to 4 ft. .22 1/2       |      |

J. A. PACK NURSERY  
Phone MO 8-5558 McMinnville, Tenn.

## GARDEN ROSES

## RHUBARB

TRUE CHIPMAN'S CANADA RED  
Freshly cut divisions, \$15.00 per 50, \$25.00 per 100, \$220.00 per 1000. Can ship immediately or later. Express or motor freight.  
C. D. WRIGHT, HAMBURG, IA.

## THREE RED RHUBARBS

Chipman's Canada Red, MacDonald Red, Valentine Red. No. 1 divisions.  
CHAPMAN'S BERRY FARM  
East Leroy, Mich.

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## QUALITY GERANIUM CUTTINGS

Unrooted, \$4.50 per 100, \$40.00 per 1000; rooted, \$8.50 per 100, \$80.00 per 1000. Special varieties slightly higher. Catalog of over 150 leading varieties free.  
C. SECRET, MUSCATINE, IA.

## GRAFTING STOCK

## GRAFTING STOCK

Viburnum dentatum, 2-yr., strong seedlings ..... \$0.09 \$0.07 1/2  
C. HOOGENDOORN, NURSERYMAN  
408 Turner Road Newport, R. I.

## GROUND COVERS

## HARDY MYRTLE

(Vince minor)

20 to 30 leads, \$8.00 per 100, \$50.00 per 1000; 2500 and up, \$45.00 per 1000.  
Euonymus coloratus, heavy rooted cuttings, \$6.00 per 100, \$50.00 per 1000.  
English Ivy, rooted cuttings, \$6.00 per 100, \$50.00 per 1000.

## VAUGHAN'S NURSERY

R. R. 2, 15910 Cleveland Rd., Granger, Ind.  
Phone 60, Bend, CE 1-3318

## GROUND COVERS

Myrtle (Vince minor), hardiest Ohio creeping periwinkle-blue flower, nursery-grown; 20 to 25 lead made-up clumps, \$50.00 per 1000. Prompt shipment. Bowles variety, 20 to 35-cane clumps, \$90.00 per 100. Pachysandra, 1-yr. rooted cuttings, 8 to 10 ins., \$50.00 per 1000. Hedera helix (Eng. Ivy), 1-yr. rooted cuttings, \$50.00 per 1000. Boston compacta Fern, 2-yr., \$12.00 per 100. Cinnamon Fern, Christmas Fern, New York Fern, large clumps, \$9.00 per 100. Honeysuckles, 3-yr., branched and standardized for landscaping larger areas, \$45.00 per 1000. Can furnish above in pictured display cartons for garden center sales.

IVY DALE NURSERY  
Upper River Rd. Gallipolis, O.

Hardy Myrtle (Vince minor), plants with 20 leads or more and good roots, \$5.00 per 100, \$45.00 per 1000. Pachysandra, sand-rooted cuttings, \$40.00 per 1000. English Ivy, sand-rooted cuttings, \$40.00 per 1000. Cash. Also potted stock of all items listed.  
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## TRUE EUONYMUS RADICANS

20c each.

## ENGLISH IVY

Large or small leaved, 12 1/2 c each.

Plants well established from 2 1/2-in. pots.

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Made-up plants, 10 to 20 leads each, 100, \$7.00; 1000, \$60.00. Convallaria majalis, mixed pips, 100, \$10.00. All prepaid.

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Shipsawana, Ind.

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## STRONG FIELD-GROWN PERENNIALS.

|  | Per 100 |
|--|---------|
| Ajuga genevensis                                       | \$18.00 |
| Ajuga metellica crispa                                 | 18.00   |
| Aquilegia McKana hyb.                                  | 20.00   |
| Artemisia Silver Mound                                 | 25.00   |
| Carnation Grenadin, red, maroon, pink, white, yellow   | 15.00   |
| Dianthus June Carmine                                  | 20.00   |
| Funkia variegata                                       | 22.50   |
| Funkia Honeybells                                      | 35.00   |
| Gaillardia Portola Hyb.                                | 15.00   |
| Geum Lady Stratheden                                   | 20.00   |
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| Viola cornuta, blue, yellow                            | 15.00   |
| Teucrium chamaedrys, cop also                          | 20.00   |

Write for quantity quotations.

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Dept. A Mentor, O.

## HARDY FIELD-GROWN PERENNIALS

Aquilegia, separate colors; Arabis, Astilbe, Aubrietia, Campanula, Carnations, Chives, Coreopsis, Delphinium Pacific Hybrid, 10 separate colors; Dianthus, Dicentra spectabilis, Digitalis, Doronicum, Gaillardia, Geums, Gypsophila, English Lavender, Lythrum, Russell Lupines, Myosotis, Phlox subulata, 15 varieties; Poppy Iceland, Pyrethrum (Daisies), Shasta Daisy, Sedum, 10 varieties; Sweet Williams, Tritoma, Violas and Violets.

## GEORGE FRANK &amp; SON

Penfield, N. Y.

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of

HIGH QUALITY

for

SATISFIED CUSTOMERS.

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Mentor, O.

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(Fleece Bush)

|   | 25      | 100     | 1000     |
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| Strong divisions                              | \$4.75  | \$17.50 | \$150.00 |
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| THE FLOWER FARM                               |         |         |          |
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Wholesale growers of Phlox, outdoor Chrysanthemums and a large assortment of other perennial plants.

Write for trade list.

R. R. 2 Zeeland, Mich.

12 named varieties of hardy, giant, hybrid Hibiscus; 15 varieties of hardy Liriope and our new All Summer Beauty hardy Hydrangea. Regel Plant Co., Experiment, Ga.

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New wholesale list available.

Many new varieties.

Can make immediate shipment.

No. 1 plants and potting stock, surplus items. Canterbury Bells, Digitalis, Delphiniums, Artemisia, Carnations, Matricarias, Pyrethrum, mixed; Terlumina.

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2 1/2-in. pot plants, GRAFTED.

| Per doz. | Per 100 | Per 1000 |
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| \$4.00   | \$25.00 | \$225.00 |

25 at 100 rate; 250 at 1000 rate.

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America's best source

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THE WAYSIDE GARDENS

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## HARDY FERNS (DORMANT ROOTS)

Ostrich, Clayton, Lady and Maidenhair.

\$10.00 per 100, \$80.00 per 1000.

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Hemerocallis, send for list of high quality stock at reasonable prices. 300 varieties, among the best, old and new.

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Thousands of splendid pruned plants.

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| 15 to 18 ins.  | \$1.35 |
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| 2 1/2 to 3 ft. | 4.50   |

100 or more, 10 per cent discount.

Send for spring list, Azaleas, Crabs, broad-leaved Evergreens, etc.

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## ILEX OPACA

| Northern varieties  | Each    |
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| 2 to 3 ft., 5-yr., in field                                 | \$ 5.00 |
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| Lighter plants, 4-yr., in field, \$3.50, \$5.00 and \$7.50. |         |

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Per 1000

ILEX CRENATA HELLERI

2 1/2-in. pots \$150.00

ILEX VOMITORIA NANA

2 1/2-in. pots 175.00

BRANCHED, HEALTHY

COTTAGE HILL NURSERY, LTD.

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SUPERIOR NAMED VARIETIES

WHOLESALE SUPPLIERS

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**HOLLY—Continued****CONTAINER-GROWN PLANTS****ILEX, OUR SPECIALTY.**

1-gal. size, 50c each.

2-gal. size, \$1.65 each.

Convexa, rotundifolia,

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English, Silver variegated.

2½-in. pots, 8 to 10 ins. tall, 35c.

Ready now. Cash with order, please.

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Lonicera japonica halliana, extra-heavy No. 1, 3 and 4-yr., 18 to 24-in. field plants. 3, 4 to 6 leads, \$40.00 per 1000; lighter grade, \$30.00 per 1000; sample, 100, \$4.00. Experienced labor for grading and packing quantity orders. Immediate shipment. No order too large. Phone OR 2-4612.

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Japanese Iris (kaempferi), large blooming size divisions. Assorted colors, labeled, \$3.50 per 10, \$20.00 per 100, prepaid.

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Hardest ivy. Fine for wall or ground cover. True stock. Well-rooted plants.

Per 100 Per 1000  
Rooted cuttings ..... \$ 7.00 \$ 65.00  
2-in. pots ..... 12.50 115.00

2½-in. pots ..... \$25.00 per 100  
Euonymus koreanus, 2-in. pots, 25.00 per 100

2-in. pots, \$12.00 per 100, \$110.00 per 1000.  
2-yr., field-grown, \$35.00 per 100.

**STRATFORD GARDENS**  
Russel Breece, M. R. 9 Delaware, O.

**ENGLISH IVY (HEDERA HELIX)**  
Our super quality large-leaved strain. Approved landscape architects' standard. Order now! Ready for immediate shipment. Strong 5 to 7-in. cuttings from field plants, \$6.00 per 100, \$55.00 per 1000.

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Rooted cuttings, \$20.00 per 1000.  
**FRED C. GLOECKNER & CO., INC.**  
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**"PURE KY." BLUE GRASS LAWN SEED**  
Grown on our farm with the thought of beauty of your lawn in mind. It's satisfying to sow and sell this "Thoroughbred Seed." 10 lbs., \$7.00; 25 lbs., \$15.00; 50 lbs., \$27.50; 100 lbs., \$50.00. F.O.B. here, subject to market price change, or unsold.

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4 to 5 ft., 60c; 100, \$50.00.  
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**L. I. GROWN LINING-OUT STOCK**  
2-yr.-old, lath-grown and sheared 100  
800 Taxus thuyaeae cusp., 8 to 10 ins. \$35.00  
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500 Taxus capitata, 10 ins. 40.00  
2000 Taxus intermedia cusp., 8 to 10 ins. 35.00  
3800 Hetz Juniper, 10 to 12 ins. 35.00  
2000 Pieris japonica, 12 to 14 ins. 60.00  
2000 Ilex convexa bullata, 9 to 10 ins. 40.00  
900 Ilex crenata, 9 to 12 ins. 40.00  
500 Juniperus kelsayi ..... \$0.35 each  
1000 Hybrid Rhododendrons ..... 1.50 each  
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**FROM OPEN FRAMES AND FIELD ROWS**  
100,000 Ilex burfordi, rooted cuttings .4c  
100,000 Ilex rotundifolia, rooted cuttings .4c  
100,000 Wax Ligustrum (lucidum), rooted cuttings ..... 2½c  
20,000 Euonymus patens, 4 to 6 ins. .3c  
20,000 Euonymus patens, 3-yr. field ..... 5c  
**E. F. DuBOSE NURSERY**  
Huntsville, Ala.

**LINING-OUT STOCK**

Abelia Edward Goucher, 10 to 12 ins. \$0.15  
8 to 10 ins. 12½  
Abelia sherwoodi, 10 to 10 ins. 15  
Acer palmatum, 18 to 24 ins. 25  
10 to 12 ins. 15  
Arborvitae (globe), 8 to 10 ins. 15  
Buxus sempervirens, 6 to 8 ins. 15  
Buxus suffruticosa, 4 to 6 ins. 15  
Cephalotaxus harringtonia fortunei (Plum Yew), 8 to 10 ins. 15  
Cercis canadensis (Redbud), 15 to 24 ins. 15  
15 to 18 ins. 10  
Cherry Laurel, 12 to 15 ins. 10  
10 to 12 ins. 10  
Clecyra japonica, 8 to 10 ins. 15  
Cotoneaster divaricata, 10 to 12 ins. 20  
8 to 10 ins. 15  
Cotoneaster horizontalis, 8 to 10 ins. 20  
6 to 8 ins. 15  
Cotoneaster microphylla, 6 to 8 ins. 15  
Cotoneaster parneyi, 8 to 10 ins. 15  
Crape Myrtle, white, 15 to 18 ins. 15  
Cunninghamia glauca, 8 to 10 ins. 20  
6 to 8 ins. 15  
Cunninghamia, green, 8 to 10 ins. 15  
Forsythias, 12 to 15 ins. 15  
8 to 10 ins. 12½  
Gardenia Mystry, 10 to 12 ins. 12½  
Ginkgo biloba, 6 to 8 ins. 10  
Ilex aquifolium, green; 6 to 8 ins. 20  
Ilex cassine attenuata, 10 to 12 ins. 20  
8 to 10 ins. 15  
Ilex cassine, 10 to 12 ins. 20  
8 to 10 ins. 15  
Ilex cornuta, 8 to 10 ins. 15  
Ilex cornuta burfordi, 10 to 12 ins. 20  
8 to 10 ins. 15  
Ilex cornuta rotundifolia, 4 to 6 ins. 15  
Ilex crenata bullata, 8 to 10 ins. 15  
6 to 8 ins. 12½  
Ilex crenata helleri, 4 to 6 ins. 12½  
Ilex crenata rotundifolia, 8 to 10 ins. 15  
6 to 8 ins. 12½  
Ilex opaca, 10 to 12 ins. 15  
Ilex opaca East Palatka, 8 to 10 ins. 15  
Ilex opaca fosteri, 8 to 10 ins. 15  
Ilex opaca howardi, 8 to 10 ins. 15  
Ilex opaca Hume No. 2, 8 to 10 ins. 15  
Ilex vomitoria femina (Yaupon Holly), 8 to 10 ins. 15  
Illicium anisatum (Anise), 15 to 18 ins. 15  
Jasminum floridum, 12 to 15 ins. 15  
10 to 12 ins. 12½  
Jasminum nudiflorum, 12 to 15 ins. 15  
10 to 12 ins. 12½  
Juniperus pfitzeriana glauca hetz, 8 to 10 ins. 15  
Juniperus pfitzeriana procumbens, 8 to 10 ins. 15  
8 to 10 ins. 15  
Loropetalum chinense, 10 to 12 ins. 20  
8 to 10 ins. 15  
Lonicera nitida, 8 to 10 ins. 15  
Lonicera yunnanensis, 8 to 10 ins. 15  
Ligustrum nealense, 12 to 15 ins. 15  
Ligustrum lucidum, 12 to 15 ins. 15  
Magnolia grandiflora (1-yr. seedling), 4 to 6 ins. 10  
Mahonia bealei (1-yr. seedling), 2 to 4 ins. 10  
2 to 4 ins. 10  
Osmanthus fragrans, 10 to 12 ins. 15  
8 to 10 ins. 15  
Osmanthus fortunei, 10 to 12 ins. 20  
8 to 10 ins. 15  
Osmanthus aquifolium, 10 to 12 ins. 20  
8 to 10 ins. 15  
Cocos australis (Palm), 2-yr., 6 to 8 ins. 12½  
Trachycarpus excelsus (Palm), 6 to 8 ins. 12½  
Photinia glabra, 10 to 12 ins. 15  
Pinus caribaea (Slash Pine), 18 to 24 ins. 12½  
Pinus nigra (Austrian Pine), 10 to 12 ins. 15  
Pittosporum tobira, 10 to 12 ins. 15  
Pyracantha (Red berry), 15 to 18 ins. 20  
Raphiolepis japonica, 6 to 8 ins. 15  
Retinopora ericoides, 10 to 12 ins. 15  
Rosmarinus officinalis, 6 to 8 ins. 15  
Sophora japonica, 2 to 3 ft. 15  
Teucrium chamaedrya, 4 to 6 ins. 10  
Thea bohea, 10 to 12 ins. 15  
Viburnum tinus, 8 to 10 ins. 15

Terms: Cash with order.  
F.O.B. Stovall, Ga. Lining-out stock is shipped bare-root and well-packed, with no packing charges. INCLUDE EXTRA MONEY ON SMALL ORDERS WHICH CAN GO PARCEL POST. Large orders are shipped express collect.

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**CALVIN HARMAN NURSERY**  
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Labor, land, harvesting and selling are your greatest costs. Don't skimp on the liner. Buy only top quality in the better varieties, such as those listed in our descriptive catalog of "FINER LINERS." Free copy on request.

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Neshanic Station, N. J.  
"FINER LINERS" since 1921.

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See our complete listing in this issue in our double page ad.  
**T. G. OWEN & SON, INC.**  
Columbus, Miss.

**SPECIALS**

Per 100 Per 1000  
Cornus florida alba plena (double White-Flowering Dogwood)  
6 to 12 ins. \$50.00 \$450.00  
12 to 18 ins. 75.00 650.00  
Cornus florida rubra (deep Pink-Flowering Dogwood)  
6 to 12 ins. 40.00 350.00  
12 to 18 ins. 70.00 650.00  
**SEEDLINGS**  
Berberis thunbergi atropurpurea (red-leaved Barberry), 6 to 9 ins. 8.00 60.00  
Castanea crenata (Japanese Chestnut), 1-yr., 6 to 9 ins. 12.00 100.00  
9 to 12 ins. 15.00 120.00  
Castanea mollissima (Chinese Chestnut), 1-yr., 6 to 9 ins. 12.00 100.00  
9 to 12 ins. 15.00 120.00  
Cornus florida (White Dogwood), 4 to 6 ins. 5.00 40.00  
6 to 9 ins. 6.00 50.00  
9 to 12 ins. 8.00 60.00  
Magnolia grandiflora, seeds selected for these seedlings were from trees with large leaves, brown underneath.  
2 to 4 ins. 7.50 60.00  
6 to 9 ins. 10.00 85.00  
Mahonia bealei (japonica), 2 to 4 ins. 6.00 50.00  
**LINEERS GROWN FROM CUTTINGS**  
Abelia Edward Goucher, 6 to 9 ins. 12.00 100.00  
9 to 12 ins. 15.00 120.00  
Abelia grandiflora, 6 to 9 ins. 10.00 75.00  
9 to 12 ins. 14.00 120.00  
Forsythia Spring Glory, 6 to 9 ins. 6.00 50.00  
Ilex crenata microphylla, 6 to 9 ins. 15.00 120.00  
Ilex crenata rotundifolia, 8 to 9 ins. 15.00 85.00  
field-grown, T., 6 to 9-in. spread 25.00 200.00  
field-grown, T., 9 to 12-in. spread 40.00 350.00  
Jasminum floridum, 4 to 6 ins. 10.00 80.00  
Juniperus depressa plumosa (Andorra Juniper), field-grown, T., 5 to 12-in. spread 25.00 200.00  
Juniperus hetz, field-grown, T., 9 to 12-in. spread 25.00 200.00  
Kerria japonica, 6 to 9 ins. 15.00 120.00  
9 to 12 ins. 20.00 175.00  
Magnolia soulangeana, 1-yr., 6 to 9 ins. 30.00 275.00  
Viburnum burkwoodi, 4 to 6 ins. 17.50 150.00  
6 to 9 ins. 20.00 175.00  
Viburnum carlesii (Fragrant Snowball), 6 to 9 ins. 25.00 200.00  
Viburnum lantana, 6 to 9 ins. 10.00 85.00  
9 to 12 ins. 12.00 100.00  
Viburnum opulus sterile (Common Snowball), 4 to 6 ins. 10.00 80.00  
Viburnum rhytidophyllum (leather-leaved), 6 to 9 ins. 12.00 100.00  
Viburnum tomentosum plicatum (Japanese Snowball), 4 to 6 ins. 15.00 120.00  
6 to 9 ins. 20.00 175.00  
9 to 12 ins. 25.00 225.00  
Weigela vanickei, 6 to 9 ins. 10.00 80.00  
**POTTED PLANT**  
Euonymus coloratus, 2½-in. pots 15.00 120.00  
**ROOTED LAYERS**  
Euonymus coloratus, 6 to 9 ins. 7.50 60.00  
Forsythia Spring Glory, 6 to 9 ins. 35.00  
Spiraea thunbergi, 6 to 9 ins. 35.00  
Spiraea vanhouttei, 4 to 9 ins. 35.00  
(Plants packed for shipment free of charge.)  
We offer specimen trees in the following varieties in quantity:  
Cornus florida (White-Flowering Dogwood)  
Cornus florida alba plena (double White-Flowering Dogwood)  
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Prunus serrulata Kwanzan (Kwanzan Flowering Cherry)  
Trucks available at reasonable rates. Speedy truck freight deliveries.

**THE SOUTHERN NURSERY AND LANDSCAPE CO.**  
Winchester, Tenn.  
Established 1872 Phone WO 7-2302

**LINING-OUT STOCK**  
200 Berberis thunbergi ..... 8c  
100 Cornus alba sibirica ..... 8c  
250 Cotoneaster divaricata ..... 15c  
300 Cydonia rubra ..... 11c  
250 Euonymus alatus, potted ..... 25c  
800 Euonymus compactus ..... 25c  
1850 Forsythia intermedia ..... 8c  
1000 Forsythia spectabilis ..... 8c  
700 Forsythia Spring Glory ..... 8c  
80 Hypericum aureum ..... 8c  
70 Ligustrum vulgare ..... 8c  
300 Lonicera grandiflora ..... 8c  
400 Physocarpus opulifolius ..... 7c  
1100 Spiraea vanhouttei ..... 8c  
300 Symphoricarpos racemosa ..... 8c  
600 Symphoricarpos vulgaris ..... 8c  
**FRENCH LILAC GRAFTS** ..... 35c  
**FLOWERING CRAB GRAFTS**  
75 schiedackeri, 150 parkman ..... 35c  
**SIMONSEN'S NURSERY, INC.**  
2806 Glenview Rd. Glenview, Ill.

## EVERGREENS

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|---|--------|
| Andorra Juniper, 6 to 8 ins., bare-root...                  | \$0.05 |
| Blue Hetz Juniper, 6 to 8 ins., bare-root...                | .05    |
| Burk Juniper (upright), 6 to 10 ins., bare-root...          | .12    |
| Compact Pfitzer Juniper (Nick's), 6 to 8 ins., bare-root... | .08    |
| Savin Juniper, 6 to 8 ins., bare-root...                    | .06    |
| Pfitzer Juniper, 6 to 10 ins., bare-root...                 | .06    |
| Pfitzer Juniper, plant bands                                | .16    |
| Spreading Jap. Yew (Taxus cuspidata), 2-yr. plant bands     | .20    |
| Von Ehrh Juniper, 6 to 10 ins., bare-root...                | .06    |

## DECIDUOUS, BARE-ROOT

|  |     |
|--|-----|
| Forstythia Arnold's Dwarf, very dwarf, 5 to 6 ins. | .08 |
| Forstythia Arnold's Giant, 5 to 6 ins.             | .07 |
| Forstythia Beatrix Farrand, 8 to 12 ins.           | .06 |
| Forstythia Lynnwood Gold, 8 to 12 ins.             | .04 |
| Forstythia nana compacta, 6 to 8 ins.              | .04 |
| Forstythia Spring Glory, 8 to 12 ins.              | .04 |
| Hypericum Hidcote, 8 to 12 ins.                    | .04 |
| Hypericum Kalmianum, 8 to 12 ins.                  | .04 |
| Clavey's dwarf bush Honeysuckle, 10 to 12 ins.     | .04 |
| Privet, golden vicari (all yellow), 6 to 8 ins.    | .06 |
| Privet, Lodense, 6 to 10 ins.                      | .04 |
| Privet, Regelia, 8 to 10 ins.                      | .04 |
| Weigela rosea, 8 to 12 ins.                        | .04 |

## BROADLEAFS

|  |     |
|--|-----|
| Euonymus carrierei, a small leaf patens, 8 to 10 ins.  | .04 |
| Euonymus coloratus, 8 to 10 ins.   | .04 |
| Euonymus patens Flagpole, small leaf, 8 to 10 ins.   | .04 |
| Euonymus patens, large leaf, 8 to 10 ins.  | .04 |
| Euonymus patens Newport, medium leaf, 8 to 10 ins.   | .04 |
| Euonymus patens Owen, small leaf, 8 to 10 ins.   | .04 |
| Euonymus radicans erectus, a small leaf patens, 8 to 10 ins.   | .04 |
| Euonymus patens Rosehill, medium leaf, 8 to 10 ins.  | .04 |
| Euonymus radicans, upright (Sarcoxie), 5 to 6 ins.   | .07 |
| Pyracantha Kasan, heavy berried and some dwarfier than Ialandi. Hardy in Iowa, 5 to 8 ins.   | .05 |
| Pyracantha Ialandi, 5 to 8 ins.  | .05 |
| Pyracantha pauciflora, dwarf, round, shiny leaved, very dense bush. Hardiest of all. For heavy berries, plant a Kasan or Ialandi close by, 5 to 6 ins. | .05 |

## PERENNIALS

|                                  |     |
|----------------------------------|-----|
| Teucrium chamaedrys, 5 to 6 ins. | .04 |
|----------------------------------|-----|

Book your order for spring shipment. Less than 300 total order, 2c more per plant. Less than 50 of any item, 4c more per plant.

## MCININCH GREENHOUSES

St. Joseph, Mo.

## LINING-OUT STOCK

|  |         |          |
|--|---------|----------|
| Andromeda japonica, transplanted cuttings      | \$17.50 | \$150.00 |
| Taxus canadensis, 3-yr. seedlings, 6 to 9 ins. | 16.00   | 150.00   |

## ROOTED CUTTINGS FROM SAND

|                         |       |        |
|-------------------------|-------|--------|
| Ilex convexa bullata    | 9.00  | 80.00  |
| Ilex convexa hetzi      | 11.00 | 100.00 |
| Ilex rotundifolia       | 9.00  | 80.00  |
| Taxus andersoni         | 11.00 | 100.00 |
| Taxus browni            | 15.00 | 125.00 |
| Taxus brevifolia        | 10.00 | 80.00  |
| Taxus cuspidata         | 11.00 | 100.00 |
| Taxus densiformis       | 15.00 | 125.00 |
| Taxus hatfieldi         | 11.00 | 100.00 |
| Taxus henryi            | 15.00 | 125.00 |
| Taxus hicksii           | 11.00 | 100.00 |
| Taxus hunnewelliana     | 11.00 | 100.00 |
| Taxus intermedia        | 11.00 | 100.00 |
| Taxus Moon's columnaris | 15.00 | 125.00 |
| Taxus ovata             | 11.00 | 100.00 |
| Taxus repandens         | 11.00 | 100.00 |
| Taxus vermeulenii       | 11.00 | 100.00 |
| Taxus wardii            | 11.00 | 100.00 |

## TAXUS CUSPIDATA CAPITATA

|                |         |          |
|----------------|---------|----------|
| Seedling-grown | 100     | 1000     |
| 1-yr.          | \$ 6.00 | \$ 50.00 |
| 2-yr.          | 10.00   | 90.00    |
| 3-yr.          | 17.50   | 150.00   |
| 4-yr., X       | 30.00   | 250.00   |

We can also supply most of the varieties mentioned in 1-yr. bedded and 2-yr. field beds, grown in the open.

Special quantity prices on orders of 10,000 up.

In our list, we have a complete line of pot grafts, seedlings, cuttings and transplants. List sent upon request.

## NURSERY SALES, INC.

P. O. Box 295 Ridgewood, N. J.  
Associates of Peninsula Nurseries, Inc.  
Melfa, Va.

## BEDDED PLANTS

|  |        |
|--|--------|
| 500 Azalea mollis Fillmore, extra hardy strain, seed-grown, 6 to 9 ins., 3-yr., TT | \$0.50 |
| 100 Azalea arborescens, 8 to 10 ins., 3-yr., TT                                    | .35    |
| 300 Euonymus Sarcocoe, 5 to 8 ins., well-branched, 2-yr., T                        | .25    |
| 500 Pieris japonica, 4 to 6 ins., 2-yr., TT  | .25    |

## GREEN RIDGE NURSERY

Middle Ridge and R. 528 Madison, O.

## LINING-OUT STOCK

|                                     |         |          |
|-------------------------------------|---------|----------|
| Bedded 1-yr. in the open            | 100     | 1000     |
| Ilex convexa                        | \$20.00 | \$180.00 |
| Ilex rotundifolia                   | 20.00   | 180.00   |
| Ilex hetzi                          | 20.00   | 180.00   |
| Juniperus pfitzeriana               | 20.00   | 180.00   |
| Juniperus hetzi                     | 20.00   | 180.00   |
| Taxus andersoni                     | 20.00   | 175.00   |
| Taxus brevifolia                    | 20.00   | 175.00   |
| Taxus capitata, cutting-grown       | 25.00   | 225.00   |
| Taxus capitata Adams, cutting-grown | 25.00   | 225.00   |
| Taxus canadensis stricta            | 15.00   | 150.00   |
| Taxus cuspidata                     | 17.50   | 160.00   |
| Taxus hatfieldi                     | 17.50   | 160.00   |
| Taxus hunnewelliana                 | 17.50   | 160.00   |
| Taxus hicksii                       | 17.50   | 160.00   |
| Taxus intermedia                    | 17.50   | 160.00   |
| Taxus henryi                        | 20.00   | 175.00   |
| Taxus densiformis                   | 20.00   | 175.00   |
| Taxus vermeulenii                   | 17.50   | 160.00   |
| Taxus wardii                        | 17.50   | 160.00   |
| Taxus Moon's columnaris             | 20.00   | 175.00   |
| Taxus browni                        | 17.50   | 160.00   |

## 2-yr. bedded in the open

|                                    |         |          |
|------------------------------------|---------|----------|
| Ilex convexa, 6 to 9 ins.          | \$25.00 | \$200.00 |
| Ilex rotundifolia, 6 to 9 ins.     | 25.00   | 200.00   |
| Ilex hetzi, 6 to 9 ins.            | 25.00   | 200.00   |
| Taxus Adams col., 12 to 15 ins.    | 50.00   | 450.00   |
| Taxus Moon's col., 12 to 15 ins.   | 30.00   | 250.00   |
| Taxus cuspidata, 6 to 9 ins.       | 30.00   | 250.00   |
| Taxus hatfieldi, 6 to 9 ins.       | 30.00   | 250.00   |
| Taxus cuspidata comp., 6 to 9 ins. | 30.00   | 250.00   |
| Taxus hunnewelliana, 6 to 9 ins.   | 30.00   | 250.00   |
| Taxus browni, 6 to 9 ins.          | 30.00   | 250.00   |
| Taxus intermedia, 6 to 9 ins.      | 30.00   | 250.00   |

## TAXUS CAPITATA, SEEDLING-GROWN

|   |         |          |
|---|---------|----------|
| 1-yr. seedlings                             | 100     | 1000     |
| 2-yr. seedlings                             | \$ 6.00 | \$ 50.00 |
| 3-yr. seedlings                             | 10.00   | 90.00    |
| 4-yr. seedlings, transplanted, 6 to 10 ins. | 17.50   | 150.00   |
| 4-yr. seedlings, transplanted, 6 to 10 ins. | 30.00   | 250.00   |

## CORNUS FLORIDA (WHITE DOGWOOD)

|                    |         |          |
|--------------------|---------|----------|
| Seedlings          |         |          |
| 1-yr., No. 1 grade | \$ 6.00 | \$ 50.00 |
| 1-yr., No. 2 grade | 5.00    | 40.00    |
| 1-yr., No. 3 grade | 4.00    | 30.00    |
| 2-yr., No. 1 grade | 12.50   | 100.00   |
| 2-yr., No. 2 grade | 10.00   | 90.00    |

Special prices on large quantities.

## Full list on demand.

## VERKADE'S NURSERIES, WAYNE, N. J.

## LINING-OUT STOCK

|                                       |         |
|---------------------------------------|---------|
| Berberis julianae, 6 to 8, X          | \$25.00 |
| 8 to 10, X                            | 28.50   |
| Buxus sempervirens, 6 to 8, X         | 22.50   |
| Ilex bullata, 6 to 8, X               | 17.50   |
| cornuta, 10 to 14, X                  | 23.50   |
| crenata, 6 to 8, X                    | 16.50   |
| crenata, 8 to 10, X                   | 19.00   |
| Glass, 6 to 8, X                      | 18.00   |
| microphylla, 6 to 8, X                | 17.50   |
| rotundifolia, 6 to 8, X               | 19.00   |
| rotundifolia, 8 to 10, X              | 21.50   |
| Juniperus hetzi glauca, 6 to 8, X     | 24.00   |
| 8 to 10, X                            | 29.00   |
| Leucothoe catabaebae, 14 to 18, X     | 60.00   |
| Osmanthus aquif, 8 to 10, X           | 25.00   |
| Retinispora juniperoides, 11 to 14, X | 26.00   |
| Taxus browni, 6 to 8, X               | 23.00   |
| cuspidata, 6 to 8, X                  | 23.00   |
| cuspidata, 8 to 10, X                 | 28.00   |
| Halloran, 6 to 8, X                   | 23.00   |
| hatfieldi, 6 to 8, X                  | 23.00   |
| 8 to 10, X                            | 28.00   |
| Jeffrey's, 6 to 8, X                  | 23.00   |
| Jeffrey's, 8 to 10, X                 | 28.00   |
| kelsey, 6 to 8, X                     | 23.00   |
| kelsey, 8 to 10, X                    | 28.00   |

## ROOTED CUTTINGS

Rooted last winter, heeled-in outside ever since. Immediate delivery.

|                   |                       |
|-------------------|-----------------------|
| Each              | Each                  |
| Berberis julianae | Hill's Golden Jun. 8c |
| Ilex bullata      | Ligustrum lucidum 6c  |
| Ilex crenata      | Taxus cuspidata .8c   |
| Ilex Glass        | Taxus E No. 1 .8c     |
| Ilex microphylla  | Taxus hatfieldi .8c   |

## Send for new spring list.

ESHAM'S NURSERIES  
Millboro, Del.

## LINERS FROM FIELD BEDS

|  |         |
|--|---------|
| Taxus browni, 1-yr., T, 6 to 8 ins.        | \$17.50 |
| Taxus browni, 2-yr., T, 8 to 10 ins.       | 30.00   |
| Taxus hatfieldi, 1-yr., T, 6 to 8 ins.     | 17.50   |
| Taxus hatfieldi, 2-yr., T, 8 to 10 ins.    | 30.00   |
| Taxus hatfieldi, 3-yr., TT, 10 to 12 ins.  | 45.00   |
| Taxus hatfieldi, 3-yr., TT, 12 to 15 ins.  | 55.00   |
| Taxus hicksii, 1-yr., T, 6 to 8 ins.       | 17.50   |
| Taxus kelseyi, 1-yr., T, 6 to 8 ins.       | 17.50   |
| Ilex opaca, Vars.: Farage, Merry           |         |
| Christman, male; 3 to 4-in. pots,          |         |
| 12 to 15-in. plants                        | 75.00   |
| Zelkova serrata, 1-yr. edg., 12 to 15 ins. | 15.00   |

## BLAKE'S NURSERY

P. O. Box 93 Saddle River, N. J.

## LINING-OUT STOCK

|  |  |
|--|--|
| Junipers, Arborvitae, Cypress, Yews, Rhododendrons, Camellias, Azaleas, broad-leaved Evergreens, cut, shade and flowering trees. |  |
| Write for special price list.  |  |
| BENEDICT NURSERY CO.   |  |
| 735 N. E. 87th Ave. Portland 15, Ore.  |  |

## LINERS OF THE BETTER KINDS

Novelties and rare items.  
Write for price list.  
GULF STREAM NURSERY, INC.  
Wachapreague, Va.

## LINING-OUT STOCK

|  |         |          |
|--|---------|----------|
| Spring 1960  | Per 100 | Per 1000 |
| Acer platanoides, 1-yr. seedlings, 4 to 6 ins.                         | \$ 5.50 | \$ 45.00 |
| Acer platanoides, 1-yr. seedlings, 6 to 9 ins.                         | 6.50    | 55.00    |
| Acer platanoides, 1-yr. seedlings, 9 to 12 ins.                        | 7.50    | 65.00    |
| Acer platanoides, 2-yr., T, FR, 12 to 15 ins.                          | 12.00   | 100.00   |
| Acer platanoides, 2-yr., T, FR, 15 to 24 ins.                          | 17.00   | 150.00   |
| Acer saccharum, 1-yr. seedlings, 6 to 9 ins.                           | 6.50    | 55.00    |
| Acer saccharum, 1-yr. seedlings, 9 to 12 ins.                          | 7.50    | 65.00    |
| Cornus kousa, 1-yr. seedlings, 12 to 15 ins.                           | 12.00   | 110.00   |
| Cryptomeria japonica, 1-yr., T, 4 to 6 ins.                            | 6.00    | 55.00    |
| Cydonia japonica, 2-yr., T, FR, 12 to 24 ins.                          | 15.00   | 120.00   |
| Fagus sylvatica, 1-yr. seedlings, 4 to 6 ins.                          | 8.00    | 70.00    |
| Fagus sylvatica, 1-yr. seedlings, grafting size, 6 to 9 ins.           | 9.50    | 85.00    |
| Ginkgo biloba, 1-yr. seedlings, 4 to 6 ins.                            | 8.50    | 75.00    |
| Quercus palustris, 1-yr. seedlings, 6 to 9 ins.                        | 6.00    | 50.00    |
| Tilia cordata, 2-yr., T, FR, 15 to 24 ins.                             | 25.00   | 200.00   |
| Viburnum dilatatum, 2-yr. beds, 12 to 24 ins.                          | 6.50    | 55.00    |
| Zelkova serrata (sub. for American Elm), 1-yr. seedlings, 9 to 12 ins. | 15.00   | 120.00   |

(Not subject to Dutch Elm disease.)  
T—once transplanted TT—twice transplanted, FR—field row.

## BOULEVARD NURSERIES, INC.

Newport, R. I.  
Phone VI 6-1263

## POT-GROWN GRAFTS

All our understocks are potted up during the spring, grown in frames in pots all summer and grafted the following winter, ensuring the best root system to be grown and assures minimum losses.

|                               |        |
|-------------------------------|--------|
| *Acer palmatum atropurpureum  | 75.00  |
| *Carpinus betulus fastigiata  | 60.00  |
| Cedrus atlantica glauca       | 75.00  |
| Cedrus atlantica aurea        | 100.00 |
| *Cornus florida rubra         | 50.00  |
| *Cornus florida rubra Prosser | 65.00  |
| *Cornus florida pendula       | 60.00  |
| *Cornus florida flore-plena   | 60.00  |
| *Cornus florida welchii var.  | 65.00  |
| *Cornus kousa chinensis       | 60.00  |
| *Cornus kousa speciosa        | 60.00  |
| *Hamamelis mollis             | 50.00  |
| *Hamamelis brevipedata        | 100.00 |
| Fagus sylvatica Tricolor      | 75.00  |
| Fagus sylvatica riversii      | 60.00  |
| Fagus sylvatica pendula       | 60.00  |
| *Fagus sylvatica heterophylla | 60.00  |
| *Fagus sylvatica fastigiata   | 60.00  |
| *Magnolia stellata            | 75.00  |
| *Magnolia stellata rubra      | 75.00  |
| *Magnolia stellata Waterlily  | 75.00  |
| Magnolia yulan                | 75.00  |
| Magnolia cordata (yellow)     | 75.00  |
| Picea pung. glauca moerhousii | 100.00 |
| Pinus cembra                  | 60.00  |
| Pine, Tanyosho                | 60.00  |
| *Viburnum carlesii            | 50.00  |
| Viburnum Juddi                | 50.00  |
| Viburnum burkwoodii           | 50.00  |
| Viburnum chenaultii           | 50.00  |

Varieties marked with a star can be supplied in 1-yr., field-grown bedded plants, at \$15.00 per 100 extra above the pot-grown grafts.

## VERKADE'S NURSERIES, WAYNE, N. J.

## 2-YR. HEAVY LINERS, OPEN-BEDDED

|                         |      |
|-------------------------|------|
| Each                    | Each |
| 20,000 Taxus cuspidata  | 20c  |
| 2,000 Taxus densiformis | 20c  |
| 1,000 Taxus moonii      | 20c  |
| 1,000 Taxus hicksii     | 20c  |

## 1-YR. LINERS, OPEN-BEDDED

|                                 |     |
|---------------------------------|-----|
| 15,000 Taxus densiformis        | 15c |
| 14,000 Taxus cuspidata          | 15c |
| 2,000 Taxus hatfieldi           | 15c |
| 3,000 Taxus moonii              | 15c |
| 1,400 Arborvitae, dark American | 15c |

## ROOTED CUTTINGS, OUT OF SAND

|  |    |
|--|----|
| Ready June 1, 1960                       |    |
| 10,000 Taxus densiformis                 | 9c |
| 15,000 Taxus cuspidata                   | 9c |
| 10,000 Taxus capitata, from tip cuttings | 9c |

Minimum order 250.

## LAURIENTE NURSERIES, INC.

464 Main St. Agawam, Mass.

## HEAVY TAXUS LINERS

From field and open beds.

|   |          |
|---|----------|
| Per 100                                   | Per 1000 |
| Taxus cuspidata, 3-yr., 10 to 12 ins.     | \$45.00  |
| Taxus cuspidata, 4-yr., 12 to 15 ins.     | 55.00    |
| Taxus capitata, 3-yr., 10 to 12 ins.      | 45.00    |
| Taxus andersoni, 4-yr., 10 to 12 ins.     | 50.00    |
| Taxus browni, 3-yr., 10 to 12 ins.        | 50.00    |
| Taxus browni, 4-yr., 12 to 15 ins.        | 60.00    |
| Taxus hicksii, 3-yr., 10 to 12 ins.       | 45.00    |
| Taxus hicksii, 4-yr., 12 to 15 ins.       | 55.00    |
| Taxus hatfieldi, 3-yr., 10 to 12 ins.     | 45.00    |
| Taxus hunnewelliana, 3-yr., 10 to 12 ins. | 45.00    |
| Euonymus vegetus, 3-yr., 12 to 15 ins.    | 45.00    |

STROHL'S NURSERY  
5204 St. Joe Rd. Ft. Wayne, Ind.



## LINING-OUT STOCK—Continued

## GOLDEN GOOSE LINERS

For immediate delivery or for reservation. All quotations are for beautiful lining-out stock from 2 1/4-in. pots, grown in open beds, under field conditions and ready for field planting.

|  | Each |
|--|------|
| Ilex cornuta burfordi, 8 to 10 ins. ....                             | 12c  |
| Ilex cornuta burfordi, 6 to 8 ins. ....                              | 10c  |
| Ilex cornuta femina, 8 to 10 ins. ....                               | 12c  |
| Ilex cornuta femina, 6 to 8 ins. ....                                | 10c  |
| Ilex crenata rotundifolia, 10 to 12 ins. ....                        | 12c  |
| Ilex crenata rotundifolia, 8 to 10 ins. ....                         | 10c  |
| Ilex crenata rotundifolia, 6 to 8 ins. ....                          | 8c   |
| Ilex crenata bullata convexa, 4 to 6 ins. ....                       | 10c  |
| Ligustrum lucidum compactum (Griffings Black Wax), 8 to 10 ins. .... | 12c  |
| Ilex opaca femina, 10 to 12 ins. ....                                | 25c  |
| Ilex opaca femina, 8 to 10 ins. ....                                 | 20c  |
| Mahonia bealei, 6 to 8 ins. ....                                     | 12c  |
| Buxus harlandi, 6 to 8 ins. ....                                     | 10c  |
| Buxus japonica, 6 to 8 ins. ....                                     | 10c  |
| Pyracantha yunnanensis, 6 to 8 ins. ....                             | 18c  |
| Euonymus radicans, 8 to 10 ins. ....                                 | 8c   |

Our Hollies are grown from either cuttings or grafts, from well-berried specimens, ensuring berries for you.

This stock guaranteed 100 per cent satisfactory or return for full refund.

TERMS: Packing without cost. 25 per cent with order, balance C.O.D. Minimum 50 of a kind, please.

EVERGREEN NURSERIES  
Poplar Pike  
Germantown, Tenn.

## LINING-OUT STOCK

|  | Per 100 | Per 1000 |
|--|---------|----------|
| Gardenia fortunei, 8 to 12 ins. ....                           | \$12.00 | \$110.00 |
| Gardenia fortunei, 12 to 18 ins. ....                          | 15.00   | 140.00   |
| Gardenia Mystry, 8 to 12 ins. ....                             | 12.00   | 110.00   |
| Gardenia Mystry, 12 to 18 ins. ....                            | 15.00   | 140.00   |
| Gardenia radicans, 6 to 8 ins. ....                            | 12.00   | 110.00   |
| Gardenia radicans, 8 to 12 ins. ....                           | 15.00   | 140.00   |
| Ilex crenata Billoxi, 6 to 8 ins. ....                         | 17.00   | 150.00   |
| Ilex crenata Billoxi, 8 to 12 ins. ....                        | 20.00   | 180.00   |
| Ilex crenata bullata, 6 to 8 ins. ....                         | 17.00   | 150.00   |
| Ilex crenata bullata, 8 to 12 ins. ....                        | 20.00   | 180.00   |
| Ilex crenata divaricata, 6 to 8 ins. ....                      | 15.00   | 140.00   |
| Ilex crenata divaricata, 8 to 12 ins. ....                     | 17.00   | 150.00   |
| Ilex crenata repandens, 6 to 8 ins. ....                       | 15.00   | 140.00   |
| Ilex crenata repandens, 8 to 12 ins. ....                      | 17.00   | 150.00   |
| Ilex crenata rotundifolia, 6 to 8 ins. ....                    | 12.00   | 110.00   |
| Ilex crenata rotundifolia, 8 to 12 ins. ....                   | 15.00   | 140.00   |
| Ilex glabra, 8 to 12 ins. ....                                 | 15.00   | 140.00   |
| Ilex opaca East Palatka, 8 to 12 ins. ....                     | 15.00   | 140.00   |
| Lonicera yunnanensis, 8 to 12 ins. ....                        | 12.00   | 110.00   |
| 250 plants or more of one variety and size take the 1000 rate. |         |          |

BLACKWELL NURSERIES  
Semmes, Ala.

## LINING-OUT STOCK

|                                  |                       |
|----------------------------------|-----------------------|
| Dwarf Euonymus                   | Gardenia fortunei     |
| Gardenia radicans                | Ilex rotundifolia     |
| Viburnum odorat.                 | Ligustrum lucidum     |
| PRICES OF ABOVE LINING-OUT STOCK |                       |
| 3 to 5 ins., rooted cuttings.    | \$0.75 \$5.00 \$40.00 |
| 4 to 6 ins., rooted cuttings.    | 1.00 6.00 50.00       |
| 6 to 8 ins., rooted cuttings.    | 1.50 10.00 80.00      |
| 8 to 12 ins., rooted cuttings.   | 2.00 12.50 100.00     |
| Berkmans' Arborv.                | Hetz Juniper          |
| Buxus japonica                   | Ilex bullata          |
| PRICES OF ABOVE LINING-OUT STOCK |                       |
| 3 to 5 ins., rooted cuttings.    | \$1.00 \$5.00 \$50.00 |
| 4 to 6 ins., rooted cuttings.    | 1.50 8.00 75.00       |
| 6 to 8 ins., rooted cuttings.    | 2.00 12.50 100.00     |
| 8 to 12 ins., rooted cuttings.   | 2.50 15.00 125.00     |
| Pittosporum, green               | Buxus harlandi        |
| Ilex burfordi                    | Podocarpus            |
| Pfitzer Juniper                  |                       |

## PRICES OF ABOVE LINING-OUT STOCK

|                                |                       |
|--------------------------------|-----------------------|
| 3 to 5 ins., rooted cuttings.  | \$1.00 \$5.00 \$50.00 |
| 4 to 6 ins., rooted cuttings.  | 1.50 8.00 75.00       |
| 6 to 8 ins., rooted cuttings.  | 2.00 12.50 100.00     |
| 8 to 12 ins., rooted cuttings. | 2.50 15.00 125.00     |

## FLOWERWOOD NURSERY, INC.

H. L. Lyons, Manager  
P. O. Box 185 Cairo, Ga.

## LINING-OUT STOCK

|  | Per 100 |
|--|---------|
| Magnolia alexandrina, pots ....          | \$20.00 |
| Magnolia lenei, pots ....                | 20.00   |
| Magnolia conspicua, pots ....            | 25.00   |
| Magnolia conspicua, 8 to 12 ins. ....    | 25.00   |
| Magnolia grandiflora, pots ....          | 15.00   |
| Magnolia grandiflora, 3 to 6 ins. ....   | 10.00   |
| Magnolia stellata, pots ....             | 20.00   |
| Magnolia stellata, 6 to 8 ins. ....      | 12.00   |
| Pyramidal English Oak, 8 to 12 ins. .... | 20.00   |
| Scarlet Oak, 4 to 8 ins. ....            | 10.00   |

THE R. L. HAAG NURSERIES  
Jeffersontown, Ky.

Quick — Convenient — Cheap!  
Selling through the Classified Ads  
of the American Nurseryman.

## LINING-OUT STOCK

Per 100 Per 1000

|  |         |          |
|--|---------|----------|
| Greek Juniper  |         |          |
| 2-yr., 8 to 12 ins. ....                                   | \$16.00 | \$125.00 |
| Hetz Juniper   |         |          |
| 6 to 8 ins., 1-yr. ....                                    | 10.00   | 90.00    |
| 8 to 12 ins., 1-yr. ....                                   | 12.50   | 100.00   |
| 12 to 15 ins., 2-yr. ....                                  | 22.50   | 200.00   |
| Pfitzer Juniper  |         |          |
| 8 to 12 ins., 2-yr. ....                                   | 22.50   | 200.00   |
| Pfitzer compacta Juniper                                   |         |          |
| 6 to 12 ins., 1-yr. ....                                   | 15.00   | 125.00   |
| 8 to 12 ins., 2-yr. ....                                   | 20.00   | 175.00   |
| Pfitzer compacta Juniper (Nick's)                          |         |          |
| 6 to 8 ins., 1-yr. ....                                    | 15.00   | 125.00   |
| 8 to 12 ins., 1-yr. ....                                   | 20.00   | 175.00   |
| 8 to 12 ins., 2-yr. ....                                   | 22.50   | 200.00   |
| Berberis julianae, 2 1/4-in. pots, heavy                   | 20.00   | .....    |
| Ilex bullata, 2 1/4-in. pots                               | 15.00   | .....    |
| Ilex hetzi, 2 1/4-in. pots                                 | 15.00   | .....    |
| Ilex rotundifolia, 2 1/4-in. pots                          | 15.00   | .....    |
| Ilex opaca, 2 1/4-in. pots                                 | 35.00   | .....    |
| Photinia serrulata, bed-grown seedlings                    | 6.00    | .....    |
| Cherry Laurel, bed-grown adigs.                            | 4.00    | .....    |
| 8 to 12 ins. ....  | 6.00    | .....    |
| Viburnum tomentosum, 8 to 12 ins., 1-yr., field-grown      | 10.00   | 90.00    |
| Cornus florida, 8 to 12 ins., 1-yr. seedlings              | 4.00    | 35.00    |
| Cornus florida rubra, bare-root, 18 to 24 ins., 1-yr. .... | 100.00  | .....    |
| 2 to 3 ft., 1-yr. ....                                     | 125.00  | .....    |

Write for our complete price list.

BYERS NURSERY CO.  
Chase, Ala.

## GLOBE WILLOW CUTTINGS

(Salix umbraculifera.)  
The most ornamental of all Willow trees.  
Selected cuttings, \$10.00 per 1000, prepaid.  
B SQUARE RANCH  
R. 3, Box 47 Farmington, N. M.

Taxus, Ilex, broad-leaved Evergreens, etc., in variety. Write for our latest list of liners and finished stock. See our display on page 52.  
Del-Mar-Va Nurseries, Box 3, Lincoln, Del.

## MAGNOLIAS

## MAGNOLIA SOULANGEANA

Full, heavy budded plants. Each  
100 Magnolia soulangeana, 4 to 5 ft. .... \$4.00  
100 Magnolia soulangeana, 5 to 6 ft. .... 5.00  
In cold storage, ready to ship.

## ANNA NURSERY

Anna, Ill.

## ORIENTAL MAGNOLIAS

We specialize in cold storing top-quality Oriental Magnolias. We are also taking Ilex orders for spring.

Write for wholesale price list.

SHADY PARK NURSERY  
R. R. 3 Columbia City, Ind.

## MAPLES

## NORWAY MAPLE

|  |        |        |
|--|--------|--------|
| Straight trunks. Fine heads. Very fibrous roots. | 10-49  | 50-250 |
| 6 to 8 ft. ....                                  | \$3.00 | \$2.50 |
| 8 to 10 ft., 1 to 1 1/4-in. ....                 | 4.05   | 3.25   |
| 9 to 11 ft., 1 1/4 to 1 1/2-in. ....             | 5.30   | 4.25   |
| 10 to 12 ft., 1 1/2 to 1 3/4-in. ....            | 7.00   | 5.50   |
| 11 to 13 ft., 1 3/4 to 2-in. ....                | 8.00   | 6.50   |

## PRINCETON NURSERIES

Princeton, N. J.

## For \$4.00

you can offer that surplus in a classified ad of 10 lines on these pages—quickly and easily turning stock into cash.

## At 40c PER LINE

you can keep a list of specialty items before trade buyers through the selling season at small cost.

Send your copy (count 6 average words to line) for the May 1 issue to reach us April 15.

Forms for the May 15 issue will close April 29.

AMERICAN NURSERYMAN  
343 S. Dearborn St. CHICAGO 4, ILL

## JAPANESE RED MAPLE

(Acer palmatum atropurpureum)

Every one a very good red.

| Seed-grown                                | Each   | 250 or more per 100 |
|---|--------|---------------------|
| LIGHT GRADE                               |        |                     |
| 2-yr., light branched, 8 to 10 ins. ....  | \$0.30 | \$0.25              |
| 2-yr., light branched, 12 to 15 ins. .... | .35    | .32                 |
| 2-yr., light branched, 15 to 18 ins. .... | .40    | .38                 |

| HEAVY GRADE                            | Each | 250 or more per 100 |
|--|------|---------------------|
| 2-yr., branched transplants,           |      |                     |
| 6 to 9 ins. ....                       | .45  | .40                 |
| 10 to 12 ins. ....                     | .50  | .45                 |
| 12 to 15 ins. ....                     | .55  | .50                 |
| 3-yr., field-grown, 8 to 12 ins. ....  | .65  | .60                 |
| 3-yr., field-grown, 12 to 15 ins. .... | .80  | .75                 |
| 3-yr., field-grown, 15 to 18 ins. .... | .95  | .90                 |
| 4-yr., bushy, 10 to 15 ins. ....       | 1.10 | 1.05                |

Any of the heavy grade if potted by March 15 and allowed to make new growth, will be salable by May.

Shipped dormant, packed in sphagnum.  
A 20 per cent deposit on all orders, balance before delivery or C.O.D.

Specializing in Japanese Red Maple 15 years.

HUBBS NURSERIES  
512 Route 130 Riverton, N. J.

## NORWAY MAPLE

Straight, nursery-grown trees. 10-49 over 50  
6 to 7 ft. .... \$1.00 \$0.90  
7 to 8 ft. .... 2.75 2.50  
8 to 10 ft., 1 to 1 1/4-in. .... 4.00 3.25  
9 to 12 ft., 1 1/4 to 1 1/2-in. .... 5.00 4.25  
11 to 13 ft., 1 1/2 to 1 3/4-in. .... 7.00 5.50

## NO SHIPPING.

HEYKOOP'S NURSERY  
466 Newark Pompton Turnpike  
Pompton Plains, N. J.

## COLLECTED ACER

RUBRUM AND SACCHARUM  
from whips to 4-in. caliper.  
CURTIS NURSERIES, INC.  
Callicoon, N. Y.

## NANDINAS

Nandina seedlings, 2-yr. plants, \$20.00 per 1000. Skyline Gardens, 2112 Farley Rd., Birmingham 9, Ala.

## PACHYSANDRAS

## LAST CALL! LAST CALL!

STRONG ROOTED CUTTINGS, ready now.  
\$38.00 per 1000;  
\$35.00 per 1000 for 5000 or more.  
Check with order.  
Prompt shipping. Satisfaction guaranteed.

TOWN & COUNTRY NURSERY  
4202 Fordleigh Rd. Baltimore 15, Md.

## PACHYSANDRA TERMINALIS

|                                    | Per 100 | Per 1000 |
|------------------------------------|---------|----------|
| 1-yr., field-grown ....            | \$ 5.00 | \$ 45.00 |
| Lots of 3000 ....                  | 42.50   | 425.00   |
| 2-yr., field-grown ....            | 8.00    | 75.00    |
| 2 1/4-in., pot-grown ....          | 11.50   | 105.00   |
| Free packing. Phone MOhawk 4-3923. |         |          |
| HANSEN BROS. NURSERIES, INC.       |         |          |
| 1268 Montgomery Ave. Narberth, Pa. |         |          |

## PACHYSANDRAS

1-yr.-old, frame-grown, well-rooted cuttings, \$5.50 per 100, \$43.00 per 1000; \$40.00 per 1000 for 5000 or more. Order now for early spring delivery.

## BRUNDAGE &amp; GUTHRIE

123 Franklin St. Tarrytown, N. Y.  
Pachysandras, strong plants, grown in soil frames with light shade. First-class stock, \$6.50 per 100, \$53.00 per 1000; \$49.00 per 1000 for 5000 or more, including good packing. Peekskill Nursery, Shrub Oak, N. Y.

## PACHYSANDRAS

Strong rooted cuttings, \$4.25 per 100, \$40.00 per 1000. No C.O.D.  
DUNWOODIE NURSERIES  
6 Smart Ave. Yonkers, N. Y.

## PACHYSANDRA TERMINALIS

1-yr., field-grown, \$60.00 per 1000.  
HILLCREST GREENHOUSES  
Miller Park Franklin, Pa.

## Turn Stock into Dollars

by Listing It in the Classified Ads  
of the American Nurseryman

## PEONIES

## PEONIES

Adolphe Rousseau, Baroness Schroeder, Duchesse de Nemours, Festiva Maxima, Ger-ah Bernhardt, Lady Alex. Duff, Marie Lemoine, Mons. Jules Elie, Reine Hortense.  
3-yr.-old, whole clumps, not divided. 6 eyes and up, \$75.00 per 100, \$700.00 per 1000; divisions, 3 to 5 eyes, \$40.00 per 100, \$350.00 per 1000.  
VERKADE'S NURSERIES, WAYNE, N. J.

## GRAFTED TREE PEONIES

Red, white, pink, purple, 1-yr., \$10.00 per 10; 2-yr., \$15.00 per 10.  
A yellow TREE PEONY for \$1.50 with every 10 others. Free Peony list.  
ATHA GARDENS, WEST LIBERTY 6, O.



## PEONIES

Healthy 3 to 5-eye divisions,  
\$3.50 per 10, \$30.00 per 100.

AURORA, white  
DAUBENTON, light pink  
DUKE OF CLARENCE, rose  
GRANDIFLORA NIVEA PLENA, white  
AUGUSTE LEMONIER, bright red  
ETTA, pink  
MME. de VERNEVILLE, white  
FELIX CROUSE, red  
VENUS, shell-pink  
EDILIS SUPERBA, pink  
GENERAL BERTRAND, pink  
QUEEN VICTORIA, white  
THE MOOR, purple  
CLARA BARTON, white  
PINK PEONIES, not named, 25c each  
WHITE PEONIES, not named, 30c each  
RED PEONIES, not named, 30c each  
PARKER'S PEONY FARM & NURSERY  
Fayetteville, N. Y.

## PHLOX

## PHLOX SUBULATA

(Creeping Phlox)  
An excellent choice of varieties.

Transportation charges prepaid by us.

Alba, pure white.  
Astro, deep orchid-rose.  
Atropurpurea, wine-red.  
Blue Hill, attractive medium blue.  
Butterfly, lilac bluish, showy purple eye.  
Crimson Beauty, brilliant cyclamen-red.  
Red Wing, large glowing red.  
Sensation, pretty bright pink with red eye.  
Transplants, \$9.50 per 100, \$90.00 per 1000.  
Liners, \$5.00 per 100, \$45.00 per 1000.  
250 or more of same variety at 1000 rate.  
Prices are delivered, we pay transportation.  
Careful packing and each variety labeled.  
Terms: Cash with order.  
TANGLEWOOD FARM  
P. O. Box 336-N Phone 1060 Clinton, S. C.

## HARDY PHLOX

Ask for our new listing on field-grown garden Phlox and Phlox subulata (Creeping Phlox). If interested in 5000 or more plants, ask for our special quantity discount.

## WALTERS GARDENS

R. R. 2 Zeeland, Mich.  
We have quantities of bright red Dixie Brilliant Thrift (Phlox subulata), also pink, blue, pure white; now in bud and bloom; nice, large plants, \$8.00 per 100, \$60.00 per 1000.  
Tidwell Nurseries, Greenville, Ga.

Phlox Subulata (Creeping Phlox), best pink; strong, pot-bound plants, from 2 1/2-in. pots, bushy top, 100, \$8.50. Rooted cuttings from field clumps now in bloom, 100, \$4.00. Cash. Pittman Nurseries, Magnolia, Ark.

## PIERIS

## PIERIS JAPONICA (ANDROMEDA)

We collect our own seed from the best and healthiest plants, ensuring strong, uniform plants.

|                                | Each   | Each per 100 | Each per 1000 |
|--------------------------------|--------|--------------|---------------|
| 3-yr., TT, heavy, 9 to 10 ins. | \$0.50 | \$50.00      | \$40.00       |
| Heavy, 18 to 24 ins., B&B      | 2.50   |              |               |
| Heavy, 2 to 2 1/2 ft., B&B     | 3.50   |              |               |

## C. HOOGENDOORN

WHOLESALE NURSERYMAN  
413 Turner Rd. Newport, R. I.

## ANDROMEDA JAPONICA

For early spring delivery.  
Nice plants, 6 to 9 ins., \$17.00 per 100.  
Sample on request.  
No packing charge.  
F.O.B. Lincoln Park, N. J.

## LINCOLN PARK NURSERIES

Lincoln Park, N. J.

## ANDROMEDA

## (PIERIS JAPONICA)

One of the most beautiful broad-leaved Evergreens.  
Per 100 Per 1000  
2 to 3-in., 1-yr., T..... \$ 8.00 \$ 75.00  
3 to 5-in., 1-yr., T..... 14.00 120.00  
6 to 8-in., 2-yr., T..... 20.00 190.00

## PLANE VIEW NURSERY

1355 W. Main Rd. Newport, R. I.

## PIERIS JAPONICA

|                                      | Each, 1000 |
|--------------------------------------|------------|
| 1-yr., seedlings                     | \$0.08     |
| 1-yr., bedded, 3 to 6 ins.           | .10        |
| 2-yr., open field rows, 6 to 8 ins.  | .30        |
| 3-yr., open field rows, 9 to 12 ins. | .45        |

## ECKHART NURSERIES

16 Toppa Blvd. Newport, R. I.

## PRIVET

GENUINE AMUR RIVER NORTH PRIVET  
1-yr., 9 to 18 ins., 2 canes or more, cut back twice, \$4.00 per 100, \$35.00 per 1000. 300 or more at 1000 rate.  
This is the best Privet we have ever grown.  
Free packing on all orders of 10,000 or more, others at cost.

## PAUL'S NURSERY

R. F. D. 3 Shelby, O.

## Thousands of Amur River North Privet.

|               | Per 100 | Per 1000 |
|---------------|---------|----------|
| 18 to 24 ins. | \$3.00  | \$25.00  |
| 2 to 3 ft.    | 4.00    | 30.00    |
| 3 to 4 ft.    | 5.00    | 40.00    |

Immediate shipment. Satisfaction guaranteed. Robinson Nursery Co., Greenville, Ga.

## PYRACANTHAS

## PYRACANTHAS Per 1000

EARLY RED  
CRENATO-SERRATA GRABERI  
8 to 12 ins., potted ..... \$175.00  
12 to 18 ins., bed-grown ..... 150.00  
COCCHINEA LALANDI  
8 to 12 ins., potted ..... 175.00  
FREE PACKING.  
COTTAGE HILL NURSERY, LTD.  
4000 Japonica Lane Mobile, Ala.

## RHODODENDRONS

## RHODODENDRONS

Hardy Rhododendron liners, rooted cuttings, heavy transplants.  
Catawbiense album, white  
Catawbiense Boursault, lilac  
Catawbiense grandiflora, lilac  
Dr. H. C. Dresselhuys, red  
English roseum, rose  
Everestianum, rosy lilac  
Ignatius Sargent, light rose-crimson  
Parson's grandiflorum, dark purplish rose  
Purpureum grandiflorum, purple  
Roseum elegans, rose-lilac  
\$75.00 per 100, \$325.00 per 500, \$600.00 per 1000.  
J. BLAAUW & CO., LINCROFT, N. J.

## RHODODENDRON

of hardy ponticum, catawbiense parentage.  
Good saliper and foliage. For understock, growing on or over the counter sales. Twice transplanted, lightweight, firm ball.  
6 to 8 ins., \$15.00 per crate of 50.  
4 to 6 ins., \$12.50 per crate of 50.  
Order by crate only. Expert, frostproof, lightweight crating free. Cash with order. State shipping method.  
RICHARD F. RESSEL, MULINO, ORE.

## RHODODENDRONS

Named crosses, hand-pollinated.

|                                       | Each, 1000     |
|---------------------------------------|----------------|
| 1-yr., seedlings                      | \$0.25         |
| 1-yr., bedded, 4 to 5 ins.            | .45            |
| 2-yr., open field rows, 9 to 12 ins.  | .60            |
| 3-yr., open field rows, 12 to 18 ins. | \$2.00 to 3.00 |

## ECKHART NURSERIES

16 Toppa Blvd. Newport, R. I.

## RHODODENDRONS

Rooted cuttings and liners.

## and Azaleas

## Propagators.

## GLADSGAY GARDENS NURSERY

6311 Three Chopt Rd.  
Richmond 26, Va.

## RHODODENDRONS

Azaleas, Ilex.  
The best of the old and the cream of the new.

QUALITY, QUANTITY, VARIETY.  
WELLS NURSERY  
Box 141 Red Bank, N. J.

## HYBRID RHODODENDRONS

Excellent quality,  
for landscaping and garden centers.

## PARMENTIER'S ROSES

Bayport, L. I., N. Y.  
Phone Bayport 2-8811.

## RHODODENDRON MAXIMUM

Nursery-grown and collected, 3 to 7 ft.  
high. Well-shaped and symmetrical plants.

## CURTIS NURSERIES, INC.

Callicoon, N. Y.

100,000 hybrid Rhododendrons, any variety,  
size, priced reasonably. Kordus Nursery,  
Deer Park Ave., R. D. 4, Huntington, N. Y.

## ROSEBUSHES

## TREE ROSES

We have a good supply of top-quality, Western-grown tree roses, including the popular varieties, Garden Party, Kordeas Perfecta, Fire King, Peace, Pink Peace and Sterling Silver.

Write for complete list.  
GERARD K. KLYN, INC.  
Mentor, O.

## POTTED ROSES

Standard varieties, 35c each. Patented varieties, 100 lots, \$1.00 to \$1.25. Our own field-grown roses growing in 7-in. pots. Each plant has a color tag.

## DANEGGER'S HI-WAY NURSERY, INC.

P. O. Box N336 Milford, Del.

Cherokee Roses (Georgia state flower), rank climber, evergreen in South; very thorny; makes a good living fence, 35c each in bundles of 10.

Mountville Nurseries, Mountville, Ga.

## BE SURE TO BUY GOOD ROSES

Krider's is a well-known source for a complete assortment of top-quality, sure-to-grow roses at reasonable prices; roses that you can depend on. Order from this ad for immediate or later delivery.

We offer hardy, California-grown roses. These are bigger, heavier branched and more evenly rooted, ideal for potting.

For individual machine-wrapped roses complete with color picture on each bush, add 15c per plant.

## PATENTED HYBRID TEA ROSES

2-yr., No. 1

|                           | Each, 10 | \$0    | 100    |
|---------------------------|----------|--------|--------|
| Blossomtime, pink climber | \$1.50   | \$1.37 | \$1.30 |

Golden Showers, yellow climber ..... 1.50 1.37 1.30

Chrysler Imperial, red ..... 1.40 1.25 1.20

Garden Party, cream with pink edge ..... 1.85 1.75 1.55

Helen Traubel, two-tone pink ..... 1.50 1.37 1.30

Kordeas Perfecta, white and pink ..... 1.85 1.75 1.55

Mirandy, dark red ..... 1.25 1.12 1.05

Mojave, orange ..... 1.50 1.37 1.30

New Yorker, red ..... 1.40 1.25 1.20

Peace, yellow and pink ..... 1.40 1.25 1.20

Pink Peace ..... 1.55 1.50 1.40

Sutton's Gold, deep gold ..... 1.25 1.12 1.05

White Knight ..... 1.54 1.50 1.40

Buccanera, canary-yellow ..... 1.40 1.25 1.20

Montezuma, rose-salmon ..... 1.50 1.37 1.30

Queen Elizabeth, pink ..... 1.40 1.25 1.20

Starfire, currant-red ..... 1.65 1.50 1.40

## HARDY FLORIBUNDA ROSES

2-yr., No. 1

|                    | \$1.40 | \$1.25 | \$1.20 |
|--------------------|--------|--------|--------|
| Circus, multicolor | 1.10   | 1.00   | .95    |

Fireking, brilliant red ..... 1.40 1.25 1.20

Floradora, orange ..... .60 .55 .50

Fusilier, dark red ..... 1.40 1.25 1.20

Gold Cup, canary-yellow ..... 1.40 1.25 1.20

Improved Lafayette, red ..... .60 .55 .50

Ivory Fashion, ivory ..... 1.50 1.37 1.30

Jimmy Cricket, orange ..... 1.10 .95 .90

Pinocchio, salmon-pink ..... 1.00 .87 .80

Red Pinocchio, red ..... 1.00 .87 .80

Red Ripples, red ..... .60 .55 .50

Sarabande, orange-red ..... 1.40 1.25 1.20

Spartan, orange-red ..... 1.50 1.37 1.30

World's Fair, scarlet ..... .65 .60 .55

## HARDY STANDARD HYBRID TEAS

Prices on roses below including climbers:

First-class 2-year, No. 1, finest

|         | Per 10 | Per 100 |
|---------|--------|---------|
| quality | \$5.50 | \$50.00 |

RED YELLOW

Crimson Glory Eclipse

Etoile de Hollande Golden Charm

McCreedy's Scarlet Yellow Condessa

Polanetia POLYANTHAS

PINK Golden Salmon

Betty Upchurch Orleans

Picture TWO-TONE

The Doctor Candesa de Sastago

WHITE Countess Vandal

F. K. Druschki Good News

K. A. Victoria Talsman

CLIMBING ROSES

Blaze, red verbl. New Dawn, pink

Gold Rush, yellow everblooming

everblooming White Dawn, verbl.

Am. Beauty, red Coral Pillar, verbl.

All orders of 50 or more roses, at least

10 of a kind, may take the 100 rate.

THE KRIDER NURSERIES, INC.

Middlebury, Ind.

Phone 81.

## EVERBLOOMING MINIATURE ROSES

Beautiful little darlings, like Hybrid Teas.

Seldom over 10 ins. tall. We ship branched

own-rooted, 2 1/2-in. pot size plants.

\*Recommended for forcing

|                           | Per 10 | Per 100 |
|---------------------------|--------|---------|
| Red, Spring Hill's choice | \$4.00 | \$35.00 |

Cupido, nearly black crimson ..... 4.50 40.00

\*Dian (pat. 1808), soft red ..... 6.50 60.00

\*Midget (pat. 446), tiny, rose-red ..... 6.00 55.00

\*Oakington Ruby, best red ..... 4.50 40.00

Red Imp (pat. 1032), vivid red ..... 6.00 55.00

White, Spring Hill's choice ..... 4.00 35.00

\*Cinderella (pat. 1051), white ..... 5.50 50.00

\*Frosty (pat. 1412), big white ..... 6.50 60.00

\*Pixie (pat. 408), double white ..... 5.00 45.00

Polka Dot, finest big white ..... 6.50 60.00

\*White Fairy, free-flowering dbl. ..... 5.00 45.00

Jackie, double, cream yellow ..... 4.50 40.00

Pink, Spring Hill's choice ..... 4.00 35.00

Lilac Time, lavender-pink ..... 5.00 45.00

Mon Petit, deep rose ..... 4.50 40.00

\*Pink Fairy, cameo-pink ..... 5.00 45.00

\*Pompon de Paris, double pink ..... 4.50 40.00

Rouletti, Swiss alpine pink ..... 5.00 45.00

\*Spring Song, large, vivid pink ..... 6.00 55.00

Carolyn, new superb orange ..... 7.00 65.00

\*Presumida, orange, bicolor ..... 4.50 40.00

## SPRING HILL NURSERIES CO.

Dept. AN-F-59 Tipp City, O.

## THE SEASON'S BEST DEAL

See for yourself

by sending for our 1959-60 trade list.

WE STILL OFFER YOU A CHOICE OF

BARE-ROOT AND PREPACKAGED,

PATENT AND STANDARD ROSES.

NEW LONDON ROSES

"The Rose Nursery"

P. O. Box 876 Overton, Tex.





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N. J.

ERS  
\$1.25  
3.00s. Ill.  
0).

| SEEDLINGS   |         | 100     | 1000 |
|---|---------|---------|------|
| Berberis thunbergii atropurpurea, 2-yr. sdg., 12 to 15 ins. | \$10.00 | \$75.00 |      |
| Cornus florida, 1-yr. sdg., 12 ins.                         | 6.00    | 50.00   |      |
| Crataegus (cordata) phaeo-pyrum, 1-yr. sdg., 6 to 12 ins.   | 6.00    | 50.00   |      |
| Gymnocladus dioica, 1-yr. sdg., 3 to 12 ins.                | 15.00   |         |      |
| Juniperus virginiana, 1-yr. sdg., 6 to 12 ins.              | 6.00    | 50.00   |      |
| Koeleria paniculata, 1-yr. sdg., 6 to 8 ins.                | 10.00   | 85.00   |      |
| Myrica pensylvanica, 1-yr. sdg., 4 to 8 ins.                | 6.00    | 50.00   |      |
| Picea abies, 2-yr. sdg., 4 to 8 ins.                        | 5.00    | 40.00   |      |
| Picea pungens glauca, 2-yr. sdg., 4 to 6 ins.               | 6.00    | 45.00   |      |
| Picea pungens glauca, 3-yr. transplants, 4 to 8 ins.        | 12.00   | 100.00  |      |
| Pinus thunbergii, 2-yr. sdg., 4 to 8 ins.                   | 6.50    | 50.00   |      |
| Pseudotsuga taxifolia glauca, 2-yr. sdg., 6 to 8 ins.       | 6.50    | 50.00   |      |
| Quercus palustris, 2-yr. sdg., 18 to 24 ins. up.            | 15.00   | 125.00  |      |
| Sophora japonica, 1-yr. sdg., 6 to 10 ins.                  | 15.00   | 120.00  |      |
| Taxus capitata, 2-yr. sdg., 3 to 6 ins.                     | 10.00   | 90.00   |      |
| Thuja occidentalis, 3-yr. sdg., 4 to 8 ins.                 | 6.00    | 50.00   |      |
| Tsuga caroliniana, 3-yr. sdg., 6 to 8 ins.                  | 12.00   | 100.00  |      |
| Ulmus pumila, 1-yr. sdg., 8 to 12 ins. up.                  | 2.50    | 20.00   |      |
| Viburnum dentatum, 2-yr. sdg., 18 to 24 ins.                | 15.00   | 125.00  |      |
| Zelkova serrata, 1-yr. sdg., 12 to 18 ins.                  | 12.50   | 100.00  |      |
| ROOTED CUTTINGS FROM 2 1/4-IN. POTS                         |         |         |      |
| Azalea Delaware Valley White                                | \$3.00  | \$20.00 |      |
| Berberis julianae   | 3.00    | 20.00   |      |
| Berberis thunbergii atropurpurea                            | 3.00    | 20.00   |      |
| Crimson Pygmy   | 3.00    | 20.00   |      |
| Berberis verruculosa  | 3.50    | 25.00   |      |
| Buxus handsworthii  | 3.00    | 20.00   |      |
| Chamaecyparis filifera aurea                                | 3.00    | 20.00   |      |
| Chamaecyparis plumosa Gold                                  | 3.00    | 20.00   |      |
| Dust  | 3.00    | 20.00   |      |
| Chamaecyparis plumosa sulphurea                             | 3.00    | 20.00   |      |
| Cotoneaster adpressa phaeox                                 | 3.00    | 20.00   |      |
| Cotoneaster conspicua decidua                               | 3.00    | 20.00   |      |
| Cotoneaster horizontalis                                    | 3.00    | 20.00   |      |
| Cotoneaster horizontalis perpusilla                         | 3.00    | 20.00   |      |
| Franklinia atlantica, 8 to 12 ins.                          | 5.00    | 40.00   |      |
| Ilex crenata helleri  | 3.00    | 20.00   |      |
| Ilex crenata hetzi  | 3.00    | 20.00   |      |
| Ilex glabra   | 3.00    | 20.00   |      |
| Ilex opaca femina   | 5.00    | 40.00   |      |
| Ilex opaca mascula  | 5.00    | 40.00   |      |
| Juniperus pfitzeriana compacta                              | 3.00    | 22.50   |      |
| Magnolia rustica rubra                                      | 4.50    | 35.00   |      |
| Pieris japonica   | 3.00    | 20.00   |      |
| Prunus laurocerasus schipkaensis                            | 3.00    | 20.00   |      |
| Pyracantha coccinea islandi                                 | 3.00    | 20.00   |      |
| Pyracantha coccinea (lowboy)                                | 3.00    | 20.00   |      |
| Taxus baccata repandens                                     | 3.50    | 25.00   |      |
| Taxus cuspidata aurea                                       | 3.50    | 25.00   |      |
| Taxus cuspidata capitata                                    | 3.50    | 25.00   |      |
| Taxus cuspidata compacta                                    | 3.50    | 22.50   |      |
| Taxus cuspidata densiformis                                 | 3.50    | 22.50   |      |
| Taxus media browni  | 3.50    | 22.50   |      |
| Taxus media clifton   | 3.50    | 22.50   |      |
| Taxus media henryi  | 3.50    | 22.50   |      |
| Taxus media hicksi  | 3.50    | 22.50   |      |
| Taxus media vermouthensis                                   | 3.50    | 22.50   |      |
| Thuja occidentalis globosa (Howe type)                      | 3.00    | 20.00   |      |
| Thuja occidentalis globosa novum                            | 3.00    | 20.00   |      |
| Thuja occidentalis pyramidalis                              | 3.00    | 20.00   |      |
| Thuja orientalis aurea nana                                 | 3.50    | 25.00   |      |

FOR GRAFTED STOCK, SEE DISPLAY AD  
HESS' NURSERIES  
P. O. Box 128 Wayne, N. J.

| SHRUBS AND TREES  |  |
|---|--|
| 50 European Birch, 3 and 4-in. cal.   |  |
| 1000 Chinese Elm, 3, 4, 5 and 6-in. cal.  |  |
| 3000 Silver Maple, 1 1/2, 2 and 2 1/2-in. cal.  |  |
| 400 Norway Maple, 2, 2 1/2 and 2 3/4-in. cal.   |  |
| 350 Schwedler Maple, 1 1/2, 2 and 2 1/4-in. cal.  |  |
| 400 Sugar Maple, 1 1/2-in. cal.   |  |
| 800 American Sycamore, 1 1/2 and 2-in. cal.   |  |
| 500 European Birch, 4 to 5 ft. and 5 to 6 ft.   |  |
| 1000 Mt. Ash, 4 to 5 ft. and 5 to 6 ft.   |  |
| 1000 White Ash, 4 to 5, 5 to 6 and 6 to 8 ft.   |  |
| 1000 Green Ash, 4 to 5, 5 to 6 and 6 to 8 ft.   |  |
| 1000 Flowering Crab, 3 to 4, 4 to 5, 5 to 6 ft.   |  |
| Other trees in smaller quantities. Flowering shrubs in variety. See our ads under Evergreens, Liners and B&B. |  |

NAGLE'S NURSERY  
R. 2, Box 267 Decatur, Mich.  
Phone GARfield 3-3739

LANDSCAPE ARCHITECTS!  
We have made a specialty of growing large landscape material for the past 40 years. We cordially invite you to inspect our stock.  
GEORGE F. BLOOMER NURSERIES  
Route 69 Flemington, N. J.  
Phone STate 2-3259

IDEAL SIZE PLANT MATERIAL FOR LANDSCAPERS OR GARDEN CENTERS  
500 Ilex crenata, B&B, 24 to 36 ins. ...\$3.50  
300 Ilex crenata, B&B, 18 to 24 ins. ... 4.50  
2000 Ilex crenata convexa (bullata), heavy, B&B, 18 to 24 ins. ... 3.50  
1000 Taxus hicksi (Yew), heavy, B&B, 18 to 24 ins. ... 3.00  
1000 Jap. Red Maple, seedlings, B&B, 3 to 3 1/2 ft. ... 3.50  
2000 Pieris japonica, well-budded, heavy, B&B, 18 to 24 ins. ... 3.50  
1000 Pyracantha (1-gal. containers), 3 ft. 1.00  
Priced F.O.B. Huntington Sta.  
Due to digging conditions in the spring we would appreciate orders early as possible for assurance of early delivery.  
THE WHITMAN NURSERIES  
236 Walt Whitman Rd.  
Huntington Station, N. Y.  
Phone HAMilton 3-3538

LANDSCAPE MATERIAL  
Acer platanoides, 6 to 8 to 10 to 12 ft.  
Cham. plumosa, 12 to 15 to 18 to 24 ins.  
Cham. plumosa aurea, 12 to 15, 18 to 24 ins.  
Cornus florida, 3 to 4 to 6 to 8 ft.  
Cotoneaster divaricata, 2 to 3 ft.  
Crataegus cordata, 2 to 3 to 4 to 5 ft.  
Cryptomeria japonica lobbi compacta, 12 to 18 ins. to 3 to 4 ft.  
Juniperus stricta, 12 to 15 to 18 to 24 ins.  
Laburnum vossii, 5 to 6 ft.  
Koeleria paniculata, 2 to 3 to 3 to 4 ft.  
Pieris japonica, 12 to 15 to 18 to 24 ins.  
Sorbus aucuparia, 5 to 6 to 8 to 10 ft.  
Syringa vulgaris, 2 to 3 to 3 to 4 ft.  
Syringa vulgaris alba, 2 to 3 to 3 to 4 ft.  
Taxus, in varieties, 12 to 15 to 18 to 24 ins.  
Viburnum, in vars., 12 to 18 to 18 to 24 ins.  
VERKADE'S NURSERIES  
New London, Conn.

EVERGREENS AND SHRUBS, B&B  
1000 Andorra Juniper, 18 to 24 ins. ...\$1.50  
200 Andorra Juniper, 24 to 30 ins. ... 2.00  
200 Mugho Pine, 12 to 15 ins. ... 2.00  
200 Mugho Pine, 15 to 18 ins. ... 2.50  
50 Mugho Pine, 18 to 24 ins. ... 3.00  
500 Norway Spruce, 24 to 30 ins. ... 2.50  
500 Norway Spruce, 30 to 36 ins. ... 3.50  
500 White Pine, 2 to 3 ft. ... 2.50  
500 Canada Hemlock, 5 to 6 ft. ... 5.00  
500 Canada Hemlock, 6 to 8 ft. ... 8.00  
5000 Ilex rotundifolia, 12 to 15 ins. ... 1.50  
3000 Ilex rotundifolia, 15 to 18 ins. ... 2.00  
1000 White Dogwood, most with buds, 6 ft. ... 3.50  
500 Deutzia Pride of Rochester, 5 to 6 ft. ... 1.00  
200 Mock Orange, 5 to 6 ft. ... 1.00  
Glendale Rd. Marletta, O.  
KANEFF'S NURSERIES

GRAFTED STOCK  
We have a limited number of top quality grafts to offer for spring delivery in out of bench stock.  
MOERHEIM BLUE SPRUCE ...\$1.25 each  
BLOOD RED JAPANESE MAPLE .90 each (Oschui Beni)  
JUNIPERS .50 each  
Canadian, keeleeri, hill, bark, glauca, chinensis, pyramidalis, chinensis columnaris, green and blue.  
TAXUS CUTTINGS Per 100  
Sp. Hatfield (3-yr. field) ...\$45.00  
Upright hicksi (bench) ... 15.00  
Terms: 25 per cent with order.

ADOLPH'S NURSERIES  
3440 East Main St. Columbus, O.

EVERGREENS, WHOLESALE  
A wide selection of Evergreen seedlings and transplants, also hardwoods, shade trees, ornamentals, shrubs and flowering trees. Our selected seed with good heredity and scientific culture assures healthy trees with every roots for rapid growth.  
Musser offers quality trees at a price made possible through large quantity production. Our cold storage permits late shipments. No charge for packing and boxing. Ask for complete catalog and wholesale planting lists.  
Our ad, which appears on page 38 of this issue, shows a partial list of seedlings and transplants.

MUSSEY FORESTS  
Box 16-DC Indiana, Pa.

UNUSUAL TREES  
FOR LINING-OUT OR CANNING  
Each  
200 Cornus florida, 3 to 4 ft., branched, 3-yr. field ...\$0.50  
50 Fraxinus ornus (Flowering Ash), 18 to 24 ins., 2-yr., T. ... .30  
200 Kalopanax pictus (castoralea), 15 to 18 ins., 2-yr., T. ... .40  
200 Kalopanax pictus, 24 to 30 ins., 2-yr., T. ... .60  
100 Sorbus thibetica (Turkestan Mt. Ash), 24 to 30 ins., 3-yr., T. ... .50  
200 Zelkova serrata (keaki), 15 to 20 ins., 2-yr., T. ... .15  
200 Zelkova serrata, 24 to 30 ins., 2-yr., T. ... .22  
GREEN RIDGE NURSERY  
Middle Ridge and R. 528 Madison, O.

FORSYTHIA SURPLUS  
Golden Bells and Lynwood Gold.  
3 to 5 ft. 50c; 100, \$40.00.  
SHAW BALTIC NURSERY  
9650 Carnegie Ave. Cleveland, O.

ORNAMENTAL TREES  
Crab Apple, 40 varieties; 1-yr. trees and limited number 4-yr. transplants. Descriptive booklet available.  
Thunder Cloud Plum, purple-leaved; 1-yr. and 4-yr., 8 ft. up.  
Winter King Hawthorn, fruits ornamental all winter; 1-yr. whips.  
American Holly, hardy named varieties, in sizes to 6 ft.  
Taxus and large plants of Magnolia soulangiana.  
SIMPSON ORCHARD CO., INC.  
1504 Wheatland Rd. Vincennes, Ind.  
Phone TU 2-2441

LOMBARDY POPLAR  
3-yr., heavy branched Each, 25 100  
6 to 8 ft. ...\$0.75 \$0.60  
8 to 10 ft. ... 1.10 1.00  
10 to 12 ft. ... 1.50 1.00  
2-yr., 4 to 5 ft. ... .50 .35  
5 to 6 ft. ... .60 .40  
1-yr., 2 to 3 ft. ... \$ 7.50 per 100  
3 to 4 ft. ... 10.00 per 100  
4 to 5 ft. ... 12.00 per 100  
5 to 6 ft. ... 15.00 per 100  
Packing at cost.  
PAUL'S NURSERY  
R.F.D. 3 Shelby, O.

X PIN OAK SEEDLINGS  
(Quercus palustris)  
XX RED OAK SEEDLINGS  
(Quercus rubra)  
Field-grown Per 100 Per 1000  
X XX 9 to 12 ins. ...\$ 6.00 \$ 55.00  
X XX 12 to 18 ins. ... 8.00 75.00  
X XX 18 to 24 ins. ... 12.00 100.00  
X XX 2 to 3 ft. ... 17.00 140.00  
X 3 to 4 ft. ... 25.00 220.00  
X 4 to 5 ft. ... 35.00 300.00  
Cash with order. No packing charge.  
HAGBERT'S LANDSCAPE NURSERY  
2600 S. 48th St. Lincoln 6, Neb.

DWARF MAHONIA  
Jack Mayhan is authority on mountain-grown Mahonia. This is a new variety selection, hardy as Oak. Very compact, dwarf. Ready now, 100,000 plants. All plants U.S. D. A. inspected. Cash in on my many years' experience.  
2-yr., T, \$20.00 per 100, \$150.00 per 1000.  
Few 12 to 15 ins.  
5 to 6-yr. finished plants, \$3.00 each.  
Cash with order. Full return 5-day privilege.  
MAYHAN NURSERY, VERDALE, WASH.

QUALITY GROWN STOCK Each  
SILVER MAPLE, 1 1/2 to 2-in. cal. ...\$3.00  
SYCAMORE, 1 1/2 to 2-in. cal. ... 3.00  
CHINESE ELM, 1 1/2 to 2-in. cal. ... 3.00  
GREEN ASH, 1 1/2 to 1 1/2-in. cal. ... 3.00  
THORNLESS LOCUST, 1 1/2 to 1 1/2-in. cal. ... 3.00  
AMERICAN ELM, 1 1/2 to 1 1/2-in. cal. ... 3.00  
AMERICAN PLUM, 1 1/2 to 1 1/2-in. cal. ... 3.00  
KINAST NURSERY, ANTIOCH, ILL.  
On Route 173, 2 mi. west of Route 45.  
Phone Antioch 2222.

Special sale, April 1 to 15. American and pyramidal Arborvitae, Pfitzer and virginiana Juniper, Scotch and Austrian Pine, Norway, White and Colorado Spruce, Balsam Fir, Sycamore, Acer rubrum, Chinese Elm, Moraine Locust, in 5-gal. cans; Malus eleyi. Dig your own or make deposit, tag and leave in ground up to 90 days. Priced to sell. Located between New Hudson and Milford. Gorsline Farm Nursery, 900 East Buno Rd., Milford, Mich.

Bright red Crape Myrtle, specimen, 7 to 8 ft., average about 3 to 5 canes, about 1 in. cal.; each main cane, \$4.00, B&B; puddled, \$3.00 each. Abella grandiflora, specimen, 4 to 6 ft., about 15 main canes, \$2.50, B&B; puddled, \$2.00. Spiraea vanhouttei, specimen, 4 to 6 ft., about 30 canes per plant, \$2.50, B&B; puddled, \$2.00. Peach pits, 1959 crop, \$2.95 per bu. One-half cash with order, balance on delivery.  
Riverdale Nurseries, Riverdale, Ga.

LANDSCAPE SIZE SHRUBS Each  
200 Clavey's Honeysuckle, dwarf; 2 to 2 1/2 ft. ...\$0.65  
100 Red-twigged Dogwood, 4 to 4 1/2 ft. ... .65  
No shipping; to be picked up at nursery.  
BATEMAN'S NURSERY  
R. 1, Box 232 St. Charles, Ill.  
Phone JU 4-2190  
Between St. Charles and Elgin, 2 1/2 miles west of Route 31 on Silver Glen Rd.

PIN OAK (LARGE SPECIMENS)  
Nursery-grown, drum-laced ball, loaded on your truck.  
3 1/2 to 4-in. caliper ...\$ 57.20  
4 to 4 1/2-in. caliper ... 80.00  
4 1/2 to 5-in. caliper ... 110.00  
Also a few Red Oak and Sweet Gum, same prices.  
GEORGE F. BLOOMER NURSERIES  
Route 69 Flemington, N. J.  
Phone STate 2-3259

WHITE PINE AND WHITE DOGWOOD  
Nursery-grown, 5 to 12 ft.  
Nice plants, priced to sell.  
GEORGE F. BLOOMER NURSERIES  
Route 69 Flemington, N. J.  
Phone STate 2-3259



## SHRUBS and TREES—Continued

## ROOTED CUTTINGS FROM SAND

All cuttings 6 to 8 ins.  
*Ilex crenata*, *Ilex convexa* bullata, *Taxus*,  
*intermedia*, *hicksii*, *thayerae*, *keiskei*, *hat-*  
*fieldi*, *cuspidata*, \$9.00 per 100. Also 2000  
 hybrid *Rhododendrons*, 2000 *Pieris japonica*,  
 grown 24 to flat, in soil; *Pachysandras*, in  
 flats and pots.

## BRAND'S NURSERY

912 Park Ave. Huntington, L. I., N. Y.  
 Phone Hamilton 3-2456

## NICELY BRANCHED SHRUBS.

*Prunus glandulosa*, 18 to 24 ins. ....\$0.50  
*Prunus glandulosa*, 2 to 3 ft. .... .75  
*Lonicera tatarica* alba, 18 to 24 ins. .... .50  
*Lonicera tatarica* alba, 2 to 3 ft. .... .75  
*Lonicera zabeli*, 18 to 24 ins. .... .50  
*Lonicera zabeli*, 2 to 3 ft. .... .75  
*Forsythia Lynwood* Gold, 2½ to 3 ft. .... .40

## IMPERIAL NURSERIES

P. O. Box 1000 East Hartford, Conn.

## SUGAR MAPLE, COLLECTED

¼ to 1 ft. ....\$ 7.00 per 100  
 1½ to 2 ft. .... 10.00 per 100  
 2½ to 3 ft. .... 13.00 per 100  
 3½ to 4 ft. .... 18.00 per 100  
**KALMIA ANGUSTIFOLIA (LAUREL)**  
 10 to 18 ins. ....\$15.00 per 100  
 Orders taken for spring delivery.

## MAPLEWOOD NURSERY

N. H. Insp. 77 Franklin, N. H.

## SURPLUS SHADE TREES

Honey Locust (*Gleditsia triacanthos*),  
 thornless, 2-in. cal. ....\$3.00  
 5 to 6 ft. .... 1.00  
*Sycamore* (*Platanus occ.*), 2-in. cal. .... 2.00  
 Sweet Gum (*Liquidambar styraciflua*),  
 1 to 1½-in. cal. .... 1.50  
 B&B, 50¢ per tree extra.

## LAWRENCE SANDERS NURSERY

721 Kentucky Ave. Paducah, Ky.

## CHINESE ELM (SPRING DUG)

6 to 7 ft., transplanted ....\$0.50  
 7 to 8 ft., transplanted .... .75  
 9 to 10 ft., transplanted .... 1.00  
 5 to 6 ft., seedlings, per 100 ....15.00  
 4 to 5 ft., seedlings, per 100 ....10.00  
 3 to 4 ft., seedlings, per 100 .... 7.00

## WEITZEL'S NURSERY

2900 W. 9th St. North Platte, Neb.

## SHADE TREES

Maples, Silver and Norway  
 Plane Trees, Oriental and London.  
 Clump Birch.  
 Lombardy Poplar.  
 Thurlow Weeping Willow.  
 Other trees and flowering shrubs.  
 Many sizes available.  
 Write for quotations.

## YORK NURSERIES, PAINESVILLE, O.

## WASHINGTON HAWTHORN

Each Each  
 10 to 50 50 to 100  
 5 to 6 ft. ....\$3.50 \$3.25  
 6 to 8 ft. .... 5.00 4.75

## WAYNESBORO NURSERIES

Waynesboro, Va.

## NURSERY STOCK

*Taxus*, *Rhododendrons*, *Hollies*, *Azaleas*,  
*Magnolias*, *Euonymus*, *Boxwood*, etc. Choice  
 quality, well-grated stock, finished and lin-  
 ing-out sizes. Catalog now available.  
**GERARD K. KLYN, INC.**  
 Mentor, O.

## In the heart of famous Lake County.

## FLOWERING PEACH

Double red and white.  
 Each Each  
 10 to 50 50 to 100  
 5 to 6 ft. ....\$1.35 \$1.20  
 6 to 7 ft. .... 1.60 1.35

## WAYNESBORO NURSERIES

Waynesboro, Va.

## RUSSIAN OLIVE SEEDLINGS

6 to 12 ins. ....\$15.00 per 1000  
 12 to 18 ins. .... 15.00 per 1000  
 18 to 24 ins. .... 35.00 per 1000  
 2 to 3 ft. .... 50.00 per 1000

## ROGERS &amp; KOPPENHEFFER NURSERY

2029 Judson Dr. Manhattan, Kan.

## REDBUD (CERCIS CANADENSIS)

Each Each  
 10 to 50 50 to 100  
 4 to 6 ft. ....\$1.50 \$1.35  
 6 to 7 ft. .... 2.00 1.75

## WAYNESBORO NURSERIES

Waynesboro, Va.

## WINTER JASMINE

(*Jasminum nudiflorum*)  
 2-yr., \$4.00 per 10, \$35.00 per 100.  
 3-yr., \$5.00 per 10, \$45.00 per 100.  
**WAYNESBORO NURSERIES**  
 Waynesboro, Va.

Fethergillia garden, 2-yr. bedded cuttings,  
 \$50.00 per 100. For description, see Ameri-  
 can Nurseryman, January 15, 1959.  
 Mahlstede Bros., 5323-5351 Wilson Mills  
 Rd., Cleveland 24, O.

## KOLKOWITZIAS

4 to 5 ft., 50¢ each; 60¢ each per 100.  
**SHAW BALTIC NURSERY**  
 9650 Carnegie Ave. Cleveland, O.

CRAB APPLES, FLOWERING  
 Large quantity, large sizes, including 8 to  
 10 ft. specimen trees, at attractive prices.  
 Send for spring list. *Azaleas*, broad-leaved  
 Evergreens, trees.

## THE TANKARD NURSERIES

Exmore, Virginia  
*Mugho Pine*, B&B, 15 to 18 ins. ....\$3.25  
*Mugho Pine*, B&B, 18 to 24 ins. .... 4.50  
*Mountain Ash* (European), 5 to 6 ft. .... 1.25  
*Mountain Ash* (European), 6 to 8 ft. .... 1.75  
 The Pequot Nurseries, Brainerd, Minn.

*Spruce*, *Azaleas*, *Sycamores*, *Magnolias*,  
 flowering *Crabs*, *Peaches*, *Plums*, *Judas Tree*,  
*Pussy Willows*, *Lilacs*, *Arborevitas*, *Forsy-*  
*thias*, others. Bill Wentzel, Elmer, N. J.

## EUONYMUS PATENS

18 to 24 ins., strong, 40¢; 100, \$30.00.  
**SHAW BALTIC NURSERY**  
 9650 Carnegie Ave. Cleveland, O.

## STRAWBERRIES

## TENNESSEE'S FINEST

CERTIFIED STRAWBERRY PLANTS  
 Priced per 1000, F.O.B.  
*Blakemore* ....\$5.00 *Dixieland* ....\$10.00  
*Florida 90* .... 6.00 *Empire* .... 10.00  
*Dunlap* .... 6.00 *Sparkle* .... 10.00  
*Premier* .... 8.00 *Pocahontas* .... 12.00  
*Robinson* .... 8.00 *Gem, everb.* .... 12.00  
*Tenn. Beauty* .... 8.00 *Superfection* .... 12.00

100 plants, \$2.50, postpaid.  
 All plants were grown on virgin soils.  
**SMITH BERRY GARDENS**  
 Ooltewah, Tenn.  
 Phone: Chattanooga, 4-6755.

## STRAWBERRY PLANTS

Choice, well-rooted, certified and virus free.  
 Cleaned, packed in bundles of 25.  
*Blakemore*, *Dunlap*, *Robinson*, *Tenn. Beauty*,  
*Aroma*, 1000 plants, \$7.50.  
*Pocahontas*, *Dixieland*, *Armora*, *Surecrop*,  
 1000, \$9.00.

*Streamliner*, everbearing, 1000, \$12.50.  
*Ozark Beauty*, everbearing, 1000, \$70.00.  
 Plants well-packed. Prompt shipment.  
 Live arrival guaranteed. Priced F.O.B.  
**HAMES STRAWBERRY NURSERY**  
 Goodman, Mo.

## SONJANA

CLIMBING STRAWBERRY  
 Are your customers asking for this new  
 novelty plant? If so, write to us on your  
 business letterhead for complete details.  
**McHUTCHISON & CO.**  
 695-N Grand Ave. Ridgefield, N. J.

## TAXUS

## TAXUS CAPITATA

(Upright Japanese Yew.)  
 Per 100 Per 1000  
 \*15,000 2-yr., selected seedlings,  
 4 to 6 ins. ....\$0.15 \$0.12½  
 15,000 4-yr., T. 10 to 15 ins. .... .45 .40  
 \*Seed sown lightly. Plants grown with  
 plenty of room in beds.

## C. HOOGENDOORN

Turner Rd. Newport, R. I.

## TAXUS CUSPIDATA CAPITATA

2-yr., selected seedlings,  
 Each, 100 1000  
 3½ to 7 ins. ....\$0.10 \$0.09  
**IMPERIAL NURSERIES**  
 P. O. Box 1000 East Hartford, Conn.

## 20,000 TAXUS CAPITATA

2-yr. seedlings from Japanese seed. 3½  
 to 7 ins., nice, \$90.00 per 1000. Liberal  
 count. Free packing for cash with order.  
**RITTER'S NURSERY, BENTON, PA.**

## VEGETABLE PLANTS

WHOLESALE PRICE LIST, 1960  
 Plant variety Date ready Per 1000  
 CABBAGE .....Now \$2.00  
 ONION .....Now 1.50  
 HYBRID ONION .....Now 2.50  
 LETTUCE .....Now 4.50  
 BROCCOLI .....Now 4.50  
 CAULIFLOWER .....Now 4.50  
 TOMATO .....April 15 4.50  
 HYBRID TOMATO .....April 15 6.50  
 PEPPER .....April 15 4.50  
 EGGPLANT .....April 15 4.50

All above priced F.O.B. Albany.  
 Minimum quantity, 1000 of each variety.  
 Small lot prices available.  
 Quantity price on 100,000 lots upon request.  
 Prompt shipment. Write for catalog.  
 Write or wire today.

## PIEDMONT PLANT CO.

Dept. 905 Albany, Ga.

## VEGETABLE PLANTS

FOR GARDEN AND NURSERY SHOPS.  
 WRITE FOR COMPLETE WHOLESALE  
 LIST OF POPULAR VARIETIES.  
 Cabbage, 12 popular varieties, 2000, \$5.40  
 RED ROUND DUTCH CABBAGE, 1000, 3.65  
 Onions, 4 popular varieties, .....crate, 5.40  
 HYBRID Onions, yel. and white, .....crate, 6.95  
 State inspected. Shipped by express now.  
 All guaranteed, fresh pulled, true to name.  
 Tomato and Pepper plants ready in April.  
 Sweet Potato plants ready in April.  
**FARRIER PLANT CO., B. B. BROWN**  
 Box A. A. N., Morris Co., Omaha, Texas

## VIBURNUMS

## VIBURNUM CARLESI

(Fragrant Mayflower Viburnum)  
 Per 100 Per 1000  
 5000 2-yr. seedlings,  
 4 to 6 ins. ....\$0.15 \$0.12½  
 6 to 8 ins. .... .20 .17½  
 8 to 12 ins. .... .30 .25  
 \*1000 3-yr. T. 12 to 18 ins. .... .75 .60  
 \*Heavy, well-branched, suitable for mall  
 order trade.

## C. HOOGENDOORN

Turner Rd. Newport, R. I.

## VIBURNUM CARLESI

FIELD-GROWN, HEAVY PLANTS.  
 Offered at these special prices: 15 to 18  
 ins., \$11.00 per 10, \$1.00 each in 100 lots;  
 18 to 24 ins., \$14.50 per 10, \$1.35 each in 100  
 lots; 2 to 2½ ft., \$18.50 per 10, \$1.65 each  
 in 100 lots.

If B&B is desired, add 50¢ per plant.  
**WAYNESBORO NURSERIES**  
 Waynesboro, Va.

KOREAN FRAGRANT VIBURNUM  
**VIBURNUM CARLESI**, one of the best.  
 2 to 3 ft., B&B, .....\$3.50  
 3 to 4 ft., B&B, ..... 5.00  
 Larger specimens according to value.

**GEORGE F. BLOOMER NURSERIES**  
 Route 69 Flemington, N. J.  
 Phone SState 2-3259

**VIBURNUM CARLESI COMPACTA (NEW)**  
 This is a compact form of Viburnum car-  
 lesii with dark green leaves and buds up very  
 readily. 100 1000  
 2500 2-yr. grafts .....\$1.25 \$1.00

## C. HOOGENDOORN

Turner Rd. Newport, R. I.

**VIBURNUM ODORATISSIMUM**  
 12 to 18 ins., 1-yr., bed-grown,  
 \$150.00 per 1000.

**COTTAGE HILL NURSERY, LTD.**  
 4000 Japonica Lane Mobile, Ala.

**VIBURNUM CARLESI SURPLUS**  
 2 to 3 ft., 80¢; 100, \$70.00.  
**SHAW BALTIC NURSERY**  
 9650 Carnegie Ave. Cleveland, O.

**VIBURNUM BURKWOODI SURPLUS**  
 3 to 4 ft., 60¢; 100, \$50.00.  
**SHAW BALTIC NURSERY**  
 9650 Carnegie Ave. Cleveland, O.

**VINCAS**  
**VINCA MINOR (PERIWINKLE)**  
 10 to 20 leads .....\$45.00 per 1000  
 20 to 30 leads ..... 60.00 per 1000  
**J. A. WEDDINGTON & SON**  
 4414 Holston Drive Knoxville, Tenn.

**WILLOWS**  
**GLOBE WILLOW CUTTINGS**  
 (*Salix umbraculifera*).  
 The most ornamental of all Willow trees.  
 Selected cuttings, \$10.00 per 1000, prepaid.  
**B SQUARE RANCH**  
 R. 3, Box 47 Farmington, N. M.

**MISCELLANEOUS**  
**NURSERY STOCK**  
 2-YR. APPLES Per 10 Per 100  
 11/16-in. and up .....\$4.50 \$40.00  
 9/16 to 11/16-in. .... 4.00 35.00  
 Transparent, Blood Red Delicious, Maiden  
 Blush, Horse Apple, Dolgo Crab, Sweetbough.

**JUNE BUD PEACH TREES** Per 10 Per 100  
 18 to 24 ins. ....\$1.50 \$14.00  
 24 to 30 ins. .... 1.75 16.00  
 Varieties: Imp. Elberta and Redhaven.  
**EVERGREEN LINERS**, once transplanted.  
 1400 Pfitzer Juniper .....\$ 7.00  
 162 Spiny Greek Juniper, 10 to 12 ins. .... 12.00  
 250 Irish Juniper, 12 to 15 ins. .... 12.00

**WELL-ROOTED CUTTINGS**  
 250 Irish Juniper ..... 5.00  
 200 Von Ehron Juniper ..... 5.00  
 500 Victoria Rubrah ..... 5.00  
 2000 M. Washington Asparagus, 2-yr. .... 2.00  
**DAVIS NURSERY, R. 2, Bentonville, Ark.**

**WANTED**  
**WANTED**  
 40 *Prunus virginiana*, 3 to 4 ft.  
 40 *Prunus americana*, 3 to 4 ft.  
 20 *Prunus pensylvanica*, 4 to 5 ft.  
 30 *Malus ioensis*, 3 to 4 ft.  
 20 *Amelanchier canadensis*, 3 to 4 ft.

**LINDERMAN'S CHESTERTON NURSERIES**  
 R. R. 1 Chesterton, Ind.

**WANTED, PACHYSANDRA CUTTINGS**  
 We are in the market for rooted or un-  
 rooted *Pachysandra terminalis* cuttings, in  
 quantity. Please furnish prices and details.  
**B. DIETRICH**  
 Bible St. Cos Cob, Conn.

**WANTED, PINEHURST GRASS**  
 Please quote price  
 and any information on the product.  
**PATRICK HARRY NURSERY**  
 3553 N. Richards St. Milwaukee 12, Wis.

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## WANTED

800 AZALEA MACRANTHA,  
12 to 15 ins.,  
for April use.  
Rush reply.

SAXE CONTRACTING CO.  
136 E. 57th St. New York 22, N. Y.

## WANTED

**SURPLUS NURSERY STOCK**  
Interested in substantial quantities of quality stock for wholesaling to garden centers, chain stores, landscapers and builders in New England. Write us today!  
**ARTHUR GAKLIS**  
Gold Star Wholesale Nursery Co.  
181 South Ave. (R. 30) Weston 93, Mass.

## WANTED

**SPIRAL OR TIERED TOPIARY YEW.**  
4 Taxus, upright, 4 to 4½ ft. or 4½ to 5 ft. Must be matched and very good. Suitable for tubing.  
Quote for spring delivery.  
**EMPIRE'S HIGHLAND NURSERIES**  
Box 18, Union Ave. Johnstown, N. Y.

## SUPPLIES

## BOOKS

**MEDICINAL, ECONOMIC AND USEFUL PLANTS OF INDIA**  
An informative book fully describing therapeutic uses of more than 650 Indian medicinal plants and useful notes on over 650 economic and useful plants of India. Send \$1.00 and get a copy, postpaid.

**BALLY SEED STORE**  
P. O. Bally, Dt. Howrah, West Bengal, India.

## BURLAP

**NEW 8 OZ. BURLAP TREE WRAP**  
IN ROLLS. PRICED EACH.  
Width length Per roll 10-20 30-50  
2 ins. x 54 ft. .... \$0.75 \$0.85  
3 ins. x 54 ft. .... .32 .55  
4 ins. x 54 ft. .... .38 .79  
5 ins. x 54 ft. .... 1.28 1.03  
6 ins. x 54 ft. .... 1.69 1.27  
All the above prices are F.O.B. Dayton, O.  
All widths packed 10 rolls per bale and wrapped in kraft paper.  
2 per cent discount cash with order. Special discount on orders for more than 50 rolls.

**DAYTON NURSERY & GARDEN SALES**  
P. O. Box 763 Dayton 1, O.  
Phone Baldwin 3-8277

## SPRING SPECIAL

**NEW (8 OZ.) BURLAP SQUARES.**  
15 x 18 ins. .... \$30.00 per 1000  
20 x 20 ins. .... 32.50 per 1000  
20 x 24 ins. .... 37.50 per 1000  
20 x 30 ins. .... 42.50 per 1000  
20 x 36 ins. .... 55.00 per 1000  
F.O.B. Dayton, O. in less than 5000 lots.  
Prepaid in quantities of 5000 or more.

**TERMS:** 2 per cent discount cash with order. Immediate shipment available.  
**DAYTON NURSERY & GARDEN SALES**  
P. O. Box 763 Dayton 1, O.  
Phone Baldwin 3-8277

**HOLLAND BURLAP squares, for all needs.**  
PLAIN, ROT-NOT-GREEN plastic preserved.  
**HALF MOON CO., Box 27A, Plainfield, N. J.**

## CANE STAKES

## IMPORTED

**NURSERY BAMBOO STAKES**  
Extra-heavy for staking trees, evergreens, Dahlias and other large plants.  
Butt cut with a minimum of taper.

| Size—diam.             | Contents per bale | Price   | Ave. wt. per bale |
|------------------------|-------------------|---------|-------------------|
| 4 ft., ½ to ¾ in. .... | 500               | \$19.50 | 90 lbs.           |
| 5 ft., ¾ to 1 in. .... | 250               | 17.50   | 70 lbs.           |
| 6 ft., ¾ to 1 in. .... | 200               | 17.50   | 95 lbs.           |
| 7 ft., ¾ to 1 in. .... | 150               | 17.50   | 35 lbs.           |
| 8 ft., ¾ to 1 in. .... | 100               | 16.00   | 90 lbs.           |

## QUANTITY DISCOUNTS

5 bales up, less 5 per cent  
10 bales up, less 10 per cent  
25 bales up, less 15 per cent  
Write for prices on dyed green stakes for lighter staking.

Our generous quantity discounts apply to total orders for all types of stakes.  
F.O.B. NEW JERSEY AND CHICAGO.  
**SOLD IN BALE LOTS ONLY.**  
**McHUTCHISON & CO.**  
695-N Grand Ave. Ridgefield, N. J.

## BAMBOO CANE STAKES

For greenhouse and nursery purposes.  
All types and sizes.  
Write for prices and quantity discounts.  
**ALEC HENDERSON, INC.**  
1313 W. Randolph St. Chicago 7, Ill.

## NATURAL BAMBOO STAKES

| PER 100     | ¾ in.  | ¾ in.  | ¾ in.  | ¾ in.  | 1 in. |
|-------------|--------|--------|--------|--------|-------|
| 4 ft. ....  | \$2.85 | \$3.44 | \$4.24 | \$5.60 |       |
| 5 ft. ....  | 3.60   | 4.30   | 5.30   | 7.00   |       |
| 6 ft. ....  |        | 5.16   | 6.36   | 8.40   |       |
| 7 ft. ....  |        | 6.02   | 7.42   | 9.80   |       |
| 8 ft. ....  |        | 6.88   | 8.48   | 11.20  |       |
| 10 ft. .... |        |        | 10.60  | 14.00  |       |
| 12 ft. .... |        |        |        | 12.72  | 16.30 |

Approximate thickness at bottom end.  
F.O.B. Livonia, La. 2000 up, less 5 per cent; 5000 up, less 10 per cent.  
**A. C. PATTERSON, FRISCO, LA.**  
FORMERLY OF CENTERTOWN, KY.

## CANE STAKES

Green dyed and plain yellow Bamboo. All sizes.

## GOLD MEDAL BRAND

Your guarantee of satisfaction. Come to American headquarters where you are in the market.

## GEO. H. MAUS, INC.

## BAMBOO IMPORTERS

Since 1905 Amsterdam, N. Y.

## OUTDOOR BAMBOO STAKES

All sizes for immediate delivery.  
Ask for our Nursery Supply List.  
**HALF MOON CO., Box 27A, Plainfield, N. J.**

## CATALOGS

## CATALOG

Send 25c for almanac-garden guide-supply catalog (80 pages in all), describing many garden labels, tools, nursery and florist items.  
**SHEILL, D-3, SOUTHFIELD, MICH.**

## FERTILIZERS

## PETERS SPECIAL

A complete line of soluble and long-life fertilizer formulas specially designed for the commercial grower and manufactured by the Robert B. Peters Co., Inc., the trade's leading commercial soil test laboratory. Drop a card for complete price list and your free brochure, "The Peters System of Soil Fertility Control."

## ROBERT B. PETERS CO., INC.

323 N. 15th St. Allentown, Pa.

Small Ads Do Great Things in the American Nurseryman Classified Section.

## FLATS

## WHITE CEDAR FLATS

| Order by No.                         | Size | Price per 100 | Wt. per 100 |
|--------------------------------------|------|---------------|-------------|
| No. 1, 14x20x2 ¼ in. ....            |      | \$27.75       | 320         |
| No. 2, 14x20x3 ¼ in. ....            |      | 32.00         | 400         |
| No. 3, 12x16x2 ¼ in. ....            |      | 21.00         | 260         |
| No. 4, 12x16x3 ¼ in. ....            |      | 24.75         | 275         |
| No. 5, 14x16x2 ¼ in. ....            |      | 23.75         | 275         |
| No. 6, 14x16x3 ¼ in. ....            |      | 28.00         | 290         |
| No. 7, 15x22x2 ¼ in. ....            |      | 31.50         | 380         |
| No. 8, 15x22x3 ¼ in. ....            |      | 35.75         | 425         |
| No. 9, 11 ½ x22x2 ¼ in. ....         |      | 25.75         | 320         |
| No. 10, 11 ½ x22x3 ¼ in. ....        |      | 29.50         | 400         |
| No. 11, 14x16x5 in. ....             |      | 32.75         | 450         |
| No. 12, 5x11x5 in. ....              |      | 16.75         | 160         |
| No. 13, 5x16x5 in. ....              |      | 19.00         | 215         |
| Plant boxes, 5 ½ x11 ½ x2 ¼ in. .... |      | 8.00          | 60          |
| Plant boxes, 5x8 ½ x2 ¼ in. ....     |      | 5.50          | 45          |

Skeleton flats to carry TEKPAKS and similar growing containers. (Write us for price list.)  
All other sizes quoted on request.  
Bottoms and sides are ¾ in. thick and ends are ¾ in. thick. Plant boxes are made of thinner lumber. Your name and address printed, up to 3 lines in black ink, on one or both end pieces at the following rates: \$1.00 setup charge, plus ¾ c per end piece. Shipped K.D. in units of 25. F.O.B. Cook. All shipments by truck unless otherwise specified.

## QUANTITY DISCOUNTS

Order totaling \$100.00 to \$200.00, 5 per cent; \$200.00 to \$400.00, 6 per cent; \$400.00 to \$600.00, 7 per cent; \$600.00 to \$800.00, 8 per cent; \$800.00 to \$1000.00, 9 per cent; \$1000.00 and over, 10 per cent.

**TERMS:** 30 days net, check with order; 1 per cent 20 days, net 60.

## H. C. HILL &amp; SONS, INC.

Phone North 6-3348 Cook, Minn.

## CYPRESS FLATS

## TOP GRADE FLATS THAT LAST.

| No.                       | Size I.S.M. | Per 100 | Wt. |
|---------------------------|-------------|---------|-----|
| 1, 14x20x2 ¼ ins. ....    |             | \$25.00 | 590 |
| 2, 14x20x3 ¼ ins. ....    |             | 29.00   | 680 |
| 3, 12x16x2 ¼ ins. ....    |             | 20.00   | 440 |
| 5, 14x16x2 ¼ ins. ....    |             | 22.00   | 510 |
| 7, 15x22x2 ¼ ins. ....    |             | 29.00   | 670 |
| 8, 15x22x3 ¼ ins. ....    |             | 33.00   | 780 |
| 9, 11 ½ x22x2 ¼ ins. .... |             | 23.00   | 540 |

Any size to order. Bottoms and sides ¾ in. thick; ends ¾ in. All planed one side. 5 per cent discount on orders for 500 or more. Terms: Cash. Up to 3 lines printing, \$1.00 setup charge plus 1c per end piece. Shipped K.D. in units of 25. F.O.B. Williamson, N. C., truck.

## H. C. HILL &amp; SONS

P. O. Box 747 Williamson, N. C.  
Phone Swift 2-4127

## CYPRESS FLATS, K.D.

Finest stock obtainable. Guaranteed all clear heart. Size 20x16x3 ins. inside measure, \$38.00 per 100.

1x1-in. Cypress stakes, pointed.  
50 pcs. to bundle, 4 ft., \$3.50 per bdl.  
50 pcs. to bundle, 5 ft., \$4.50 per bdl.  
50 pcs. to bundle, 6 ft., \$5.50 per bdl.  
Ship same day.

**YOHO & HOOKER, YOUNGSTOWN 2, O.**

## HOTBED SASH

**REDWOOD HOTBED SASH**  
3x6 ft. .... \$5.50 each, not glazed  
3x4 ft. .... 3.30 each, not glazed  
2x4 ft. .... 2.20 each, not glazed  
**GLASS FOR HOTBED SASH**  
10x12, 60 lights, D.S. .... \$3.40 per box  
10x14, 51 lights, D.S. .... 8.40 per box  
**YOHO & HOOKER**  
Box A.N. 1165 Youngstown, O.

## JIFFY-POTS

## JIFFY-POTS

All sizes available for prompt shipment at standard prices.  
**McHUTCHISON & CO.**  
695-N Grand Ave. Ridgefield, N. J.

## LABELS

## DAHLIA OR TREE LABELS

|  | Priced per carton | Plain  | Painted |
|--|-------------------|--------|---------|
| 3 ¼ x 5 ins., notched, not wired, \$3.00 |                   | \$3.60 |         |
| 3 ½ x 5 ins., wired (copper) ....        |                   | 3.95   | 4.90    |

## POT LABELS

|                                 | Priced per carton | Plain | Painted |
|---------------------------------|-------------------|-------|---------|
| 4x4 ins. (cartons 1000 each) .. |                   | 3.95  | 4.60    |
| 5x5 ins. (cartons 1000 each) .. |                   | 4.30  | 5.10    |
| 6x6 ins. (cartons 1000 each) .. |                   | 4.70  | 5.80    |

## GARDEN STAKES

|                                  | Priced per carton | Plain  | Painted |
|----------------------------------|-------------------|--------|---------|
| 8x ¾ ins. (cartons 500 each) ..  |                   | \$3.60 | \$4.30  |
| 10x ¾ ins. (cartons 500 each) .. |                   | 4.20   | 5.10    |

## GARDEN STAKES

|                                   | Priced per carton | Plain | Painted |
|-----------------------------------|-------------------|-------|---------|
| 8x ¾ ins. (cartons 250 each) ..   |                   | 3.00  | 3.60    |
| 10x ¾ ins. (cartons 250 each) ..  |                   | 3.30  | 3.90    |
| 12x1 ½ ins. (cartons 100 each) .. |                   | 2.00  | 2.40    |

Our labels are perfectly white and smooth on both sides and are pronounced by growers the best and most economical.  
Catalog on request.  
"We ship same day."

## YOHO &amp; HOOKER, YOUNGSTOWN 2, O.

## PRINTED PLASTIC AND WHITE CEDAR

Labels for pots, shrubs, trees and Roses. Write for complete price list and samples.  
**HEINZE GARDEN SUPPLY**  
100 Oak Ave., S.E. Mountain View, Calif.

## FINEST BLANK OR PRINTED WOOD LABELS

**BENJ. CHASE CO., VI. Sta., DERRY, N. H.**

## MACHINERY

## ARIENS IMPERIAL RIDING MOWERS

Ariens Transmatic Rotary Tillers.  
Ariens Jet and Gardener Tillers.  
Sales service and parts.

## LODING NURSERY &amp; EQUIPMENT CO.

Authorized factory dealer.  
4001 Coaltown Rd. Moline, Ill.

## NAILS

## NAILS

**NURSERY PINNING**  
COMMON  
COATED  
EGG CASE  
BARBED BOX  
BLUED PLASTER BOARD (Gypsum)  
FLOORING  
COATED BOX  
BRIGHT BOX  
BLUED METAL LATH  
BLUED LATH  
DUPLEX HEAD  
CASING  
FINISH  
SPIKES  
CUT, COMMON, CASING, CLINCH  
FIRE DOOR, HINGE, CORNICE, FOUNDRY  
ROOFING, bright galvanized  
ROOFING, galvanized  
FENCE STAPLES, galvanized, bright  
HOOP STAPLES, galvanized  
NETTING STAPLES, galvanized  
GALVANIZED COMMON  
MISCELLANEOUS NAILS, BRADS  
**THE ILLINOIS NAIL CO.**  
826 N. Peoria Chicago 22, Ill.  
1892 Phone MOndroe 6-0175—0177 1960

## Surplus Stock

can be easily and quickly turned into Cash

by listing it in the American Nurseryman Classified Ads.

## PEAT MOSS

"BRODLEAF." Best Holland PEAT MOSS. Gardner No. 110 and No. 85, Growers No. 120 Growers Jumbo No. 170. Two Bales Equal 3. HALF MOON CO., Box 27A, Plainfield, N. J.

## PLANT FOOD

**OHIO DISTRIBUTOR**  
**CHLOROMONE**  
Liquid plant hormone with chlorophyll.  
4-oz. jar .....\$ 3.00  
Case of 12 .....23.40  
Case of 24 .....43.20  
Gallon tin .....45.00

**CRUMRINE NURSERY**  
R. D. 2 Phone TA 3-9508 Alliance, O.

**CHLOROMONE**  
Liquid plant hormone.  
4-oz. jar .....\$ 3.00  
Case of 12 .....23.40  
Case of 24 .....43.20  
Gallon tin .....45.00

**HESS NURSERIES**  
P. O. Box 128 Wayne, N. J.

## PLANT TIES

**"QWIK-TIES," NEW, IMPROVED**  
**PLASTIC PLANT TIES**  
Guaranteed fade-proof.  
Small, strong, almost invisible. Economical and easy to use. Packed in bundles of 250 ties for convenient use.

| Size   | Per carton of 10,000 | Av. weight per carton |
|--------|----------------------|-----------------------|
| 4-in.  | 10.00                | 5 lbs.                |
| 8-in.  | 18.00                | 10 lbs.               |
| 12-in. | 27.00                | 14 lbs.               |

**McHUTCHISON & CO.**  
695-N Grand Ave. Ridgefield, N. J.

## PLASTIC FILM

**GER-PAK POLYETHYLENE FILM**  
**SUN-RESISTANT BLACK FOR MULCHING**  
.0015 MIL.

|                  |              |
|------------------|--------------|
| 3 ft. x 500 ft.  | \$ 7.45 roll |
| 3 ft. x 1000 ft. | 14.90 roll   |
| 4 ft. x 1000 ft. | 19.90 roll   |

**NATURAL TRANSPARENT ONLY**  
.002 MIL. ALL ROLLS 200 FT. LONG  
4 ft. x 200 ft. ....\$ 5.55 roll  
8 ft. x 200 ft. ....11.10 roll  
12 ft. x 200 ft. ....15.90 roll

**NATURAL TRANSPARENT ONLY**  
.004 MIL. ALL ROLLS 100 FT. LONG  
3 ft. x 100 ft. ....\$ 4.00 roll  
4 ft. x 100 ft. ....5.30 roll  
6 ft. x 100 ft. ....7.98 roll  
8 ft. x 100 ft. ....10.65 roll  
14 ft. x 100 ft. ....18.60 roll

**MINIMUM ORDER .004 MIL. 4 rolls up to 8 ft. Write for low prices on quantity orders. Other sizes and mil. weights available up to 40 ft. in natural and black film.**  
**PHONE BALDWIN 3-8277**  
**DAYTON NURSERY & GARDEN SALES**  
P. O. Box 763 Dayton 1, O.

**POLYETHYLENE FILM**  
1 1/2 mil., black, in 1000-ft. rolls, 3 ft. wide, \$20.40; 4 ft. wide, \$27.00.  
2 mil., natural, in 200-ft. rolls, 4 ft. x 3 ins. wide, \$8.00; 8 ft. x 4 ins. wide, \$15.00; 12 ft. wide, \$21.60.  
4 mil., natural, in 100-ft. rolls, 3 ft. wide, \$6.00; 4 ft. wide, \$8.00; 6 ft. wide, \$11.20; 8 ft. wide, \$14.40; 10 ft. wide, \$18.00; 12 ft. wide, \$21.60; 14 ft. wide, \$25.20; 16 ft. wide, \$28.80; 20 ft. wide, \$36.00; 24 ft. wide, \$43.20; 28 ft. wide, \$50.40; 32 ft. wide, \$57.60.  
10 per cent discount on orders over \$24.00.  
20 per cent discount on orders over \$60.00.  
35 per cent discount on orders over \$60.00 sq. ft.

We pay freight if check is with order.  
6 mil. available in widths up to 32 ft.  
**ROUGH BROS.**  
4229 Spring Grove Ave. Cincinnati 23, O.

**POLYETHYLENE FILM**  
Natural transparent, made from Du Pont Alathon, the amazing film for greenhouses.  
.004 mil., all rolls 100 ft. long.  
3 ft. wide by 100 ft. long .....\$ 6.00 per roll  
4 ft. wide by 100 ft. long .....8.00 per roll  
6 ft. wide by 100 ft. long .....12.00 per roll  
8 ft. wide by 100 ft. long .....16.00 per roll  
Other sizes available up to 20 ft. wide.  
Send \$1.00 for liberal sample.  
3 ft. x 10 ft. postpaid.

Special deal for greenhouse construction.  
6 rolls to 9 rolls, 25 per cent discount.  
10 rolls or more, 33 1/2 per cent discount.  
"We ship same day."

**YOHO & HOOKER**  
520 Williamson Ave. Youngstown 1, O.

**DUPONT'S WEATHERABLE MYLAR**  
5 mil., NEW TYPE W-1  
(One side exposure.)  
42 ins. wide x 100 ft. long roll .....\$52.50  
48 ins. wide x 100 ft. long roll .....60.00  
51 ins. wide x 100 ft. long roll .....63.75  
1000-ft. rolls, same widths, 13 1/2 per sq. ft.  
**FREIGHT PREPAID, CASH WITH ORDER.**  
5 mil., TYPE W-2 (two side exposure) also available. Write for prices and information.  
**ROUGH BROS., INC.**  
4229 Spring Grove Ave. Cincinnati 23, O.

**VIKING CLOTH**—Plastic Sealed Burlap.  
Let in light. Keep out Water, Wind.  
In 50-yard rolls 5 ft. wide, \$35.00.  
Polyethylene, Clear, Black, Rolls, Sta.  
**HALF MOON CO., Box 27A, Plainfield, N. J.**

## PLASTIC POTS

**WILSON HIGH IMPACT**  
**POLYSTYRENE PLASTIC POTS**  
Attractive mottled colors in utility grade, sold in original cartons only. All priced F.O.B. Dayton, O.

|                                    | Per 1000 | Wt.     |
|------------------------------------|----------|---------|
| 2 -in., round, 1000 case.....      | \$ 12.50 | 13 lbs. |
| 2 1/2 -in., round, 1000 case.....  | 16.00    | 24 lbs. |
| 3 -in., round, 1000 case.....      | 19.00    | 33 lbs. |
| 4 -in., round, 500 case.....       | 35.00    | 32 lbs. |
| 4 -in., round tub, 500 case.....   | 35.00    | 33 lbs. |
| 5 -in., round, 300 case.....       | 66.00    | 33 lbs. |
| 6 -in., round, 120 case.....       | 120.00   | 34 lbs. |
| 6 -in., round tub, 120 case.....   | 105.00   | 25 lbs. |
| 7 -in., round, 72 case.....        | 175.00   | 30 lbs. |
| 2 1/2 -in., square, 1000 case..... | 12.50    | 15 lbs. |
| 3 -in., square, 1000 case.....     | 15.00    | 22 lbs. |
| 3 -in., square, 1000 case.....     | 19.00    | 36 lbs. |
| 4 -in., square, 500 case.....      | 35.00    | 33 lbs. |

Also available in solid pastel colors. Write for quote on colors. Send fifty cents (50c) for complete set of samples postpaid.  
**DAYTON NURSERY & GARDEN SALES**  
P. O. Box 763 Dayton 1, O.  
Phone Baldwin 3-8277

**POTS, LOW COST, LIGHTWEIGHT**  
Ritter-Wilson plastic plant pots cost less to buy, handle and ship. High impact plastic assures rugged durability, unbreakable in normal use! Available in round and square pots, tubs, bantam flats and saucers. Wide range of popular sizes. Switch to Wilson pots NOW. For free samples, write to:  
**RITTER-WILSON, INC.**  
Dept. XX, P. O. Box 8216 Orlando, Fla.

## PRINTING

Letterheads, 8 1/2 x 11 ins. Envelopes, 6 1/2 size, 250 of each, \$6.50. Postpaid to zone 3; beyond 3, add 5 per cent.  
H. Grebe, 306 Union St., Royersford, Pa.

Decorated shipping and garden center tags, labels, Printing, mimeographing.  
Wm. Evenden, 1992 E. 17th Ave., Eugene, Ore.

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## OREGON CHAPTER NOTES

[Concluded from page 93]

its source until it reached the consumer. Concerning chlorine in the water, Mr. Grayson said that usually but one gallon of chlorine is used to 1,000,000 gallons of water. Water storage is a big problem at Portland; a 3-day supply of water should always be on hand, he said. A survey is now being conducted to determine how far the water service may be extended. Some 59 water districts are being served by the Portland water system, with one third of the water being consumed outside the city limits. Mr. Grayson stated that 116 gallons of water are used each day per individual in the Portland area.  
C. H. P.

## O. A. N. BOARD MEETS

The board of directors of the Oregon Association of Nurserymen met at the Portland Wholesale Nursery Co., Portland, March 8. Among those present were President Reed Vollstedt, Reed's Garden Center, Eugene; Vice-president Erwin S. Fowler, Milton Nursery Co., Milton-Freewater; Immediate Past President Robert Snodgrass, Esch Nursery and Seven Dees Nursery, Portland; Treasurer Paul Van Allen, Portland Wholesale Nursery Co.; Executive Secretary Charles H. Potter, Milwaukie, and seven chapter representatives.

Treasurer Van Allen reported that the recent O. A. N. convention held at Eugene was a success financially and programwise. The chapter representatives reported good activity. The board voted to purchase seven copies of "The Highway and the Landscape" for distribution to key persons in the state.

Two important legal findings were reported at the meeting. One ruled that state and county employees selling nursery stock may not sell such stock to departments for which they work. The other ruling dealt with the department of employment law (formerly unemployment compensation law). The legal adviser for the association stated that nurserymen are not required to pay taxes to this agency, specific exemptions having been provided for nurserymen in a section of the law.

P. H. Brydon, Willamette Nursery, Salem, speaking for the Willamette chapter, invited the association to hold its 1962 convention at Salem, and the board voted in favor of this move. The New Marion hotel will be the headquarters. C. H. P.



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### OREGON NOTES

September 19 to 21 are the dates set for the 1960 all-chapter meeting for members of the Oregon Association of Nurserymen and other nurserymen wishing to attend. The meeting will be held at the Gearhart hotel, Gearhart.

Due to the death of Mrs. Vernon Marshall, Marshall Nursery & Florist, Medford, the meeting of the Cascade chapter of the O. A. N. scheduled for March 7 was canceled.

Mr. and Mrs. Larry Underhill are the proud parents of a boy, born February 16. Mr. Underhill is a landscape architect at Portland.

"Polynesian Fantasy" will be the title of the theme garden of the Multnomah Parade of Gardens, which will be held at the fairgrounds at Gresham April 27 to May 1. General chairman of this event is Melvin

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We need three single men to begin training for traveling positions selling nursery stock wholesale. Salary while training—\$350 per month. Increases for sales territories, earnings of \$1,000 per month or more are possible. Your immediate attention is necessary. Write Box 669, care of American Nurseryman.

### HELP WANTED

Man for landscape garden maintenance work around Rochester, N. Y. area. One who can take charge or to work around nursery and garden store. Write Box 705, care of American Nurseryman.

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#### NEW CALIFORNIA MAIL-ORDER NURSERY

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Is presently employed by a mail-order nursery as merchandise buyer. His past experience should cover both the buying and selling end of the business.

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Send background, list of references, etc. All replies confidential.

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One of America's largest wholesale nurseries has opening for man experienced in selling packaged line to chain and department stores. Divide time between calling on accounts, purchasing supplies, inventory control, etc. Limited travel.

Located in midwestern state. Salary, bonus and insurance plan. Some college or equivalent business experience. In reply state age, education, business experience and starting salary expected. All replies held confidential. Write Box 696, care of American Nurseryman.

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An experienced young man to help operate and manage a progressive landscape business. If you are conscientious and honest this is a fine opportunity. Please list experience, age and reference. Write Box 703, care of American Nurseryman.

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Cash-and-carry. Eastern Massachusetts, New Hampshire or southern Maine. Minimum 6 acres. Residence not necessary; will build own. Give location, soil conditions, magnitude of inventory, cash required, when available and other particulars. Agreeable to present owner staying as caretaker or partner. All replies will be answered. Write Box 707, care of American Nurseryman.

### HELP WANTED

Salesman to call on trade for large, old established, midwestern wholesale nursery, offering extensive assortment. Knowledge of plants desirable, but not essential. Good opportunity for one who can produce. Write fully, stating age, experience and other qualifications. Reply to Box 697, care of American Nurseryman.

### SITUATION WANTED

Horticulture graduate, age 25, desires position with landscape nursery or garden center. Experienced in handling men. For resume and references write Box 706, care of American Nurseryman.

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Business opportunity for man with knowledge of garden shop operation and ability to sell landscape jobs. Controlling interest in garden shop-landscaping business in western New York now doing in excess of \$100,000 yearly. Write Box 708, care of American Nurseryman, for details.

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To acquire one of the largest landscape nurseries in the middle west. Adjacent thriving city consumes trees of all sizes, especially large trees to replace ravages of Dutch elm disease. No advertising required to sell stock. Owner wishes to retire. Write Box 694, care of American Nurseryman.

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10-acre, well-located and well-stocked wholesale and retail nursery on main highway. 900-sq.-ft. propagating house, 600-sq.-ft. lath house. Truck, tractor and modern home. \$10,000 down, balance in 10 years. Wish to retire.

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FOR SALE—Attractive garden center set-up in southeastern Massachusetts. Illness forces sale of expensively remodeled 11-room home, 2 barns, 3 outbuildings, 14x35-ft. Orlyt greenhouse, lath house and 10 acres of land. Had excellent reputation for nursery stock, hardy mums, house plants, gifts, garden supplies, etc. A real buy at \$35,000. Write Box 658, care of American Nurseryman.

WANTED—Capable man with \$7000 to invest in growing, expanding nursery and tree trimming business in east Tennessee. In 8 years can own entire business valued at \$35,000 and can earn comfortable living. Address inquiries to Box 704, care of American Nurseryman.

FOR SALE—Businesses may be offered for sale by use of a want ad liner such as this. Cost: 40¢ per line (minimum order \$4.00). Your ad will be seen by more than 9300 American Nurseryman readers.

Surface, Surface Nursery, Gresham. Larry Underhill is the landscape architect who is preparing plans for the theme garden, in which everything from the serenity of Polyneesian atmosphere to the rumble of an erupting volcano is planned.

Bruce Van Dyke, Santa Barbara, Calif., was brought to Portland March 18 by the Portland Men's Garden Club to demonstrate pruning techniques.

A new rose developed by Peterson & Dering, Scappoose, is being used in the "Name the Rose" contest being sponsored by the Royal Rosarians of Portland. The rose is described as being one with a large, high center and 40 to 50 bicolored petals, yellow outside and rose red to spectrum red inside.

Harold Miller, Miller Landscape Nursery, and Charles H. Potter, executive secretary of the O. A. N., both of Milwaukie, were recent speakers for the Milwaukie Ladies' Garden Club.

Mrs. Merle Snodgrass, Esch Nursery and Seven Dees Nursery, has returned from a two weeks' vacation in Hawaii. Robert Snodgrass recently appeared on a TV garden program. C. H. P.

## NOVEL ALABAMA CENTER

An ultramodern garden center was recently added to the operations of the Ellis Nurseries, Mobile, Ala. The new center, located at one end of the Springdale Plaza, Mobile, celebrated its grand opening in February by giving away \$50 worth of shrubs and many other prizes. A rosebush was also given without charge to every customer making a purchase of \$5 or more.

The layout of the center, which resembles a wheel, with the plant beds as spokes and a hexagon-shaped garden shop as the hub, makes it possible for customers to see all plants from one spot, whether inside or outside the shop. This arrangement was planned to enable sales personnel to give customers more individual attention.

The garden shop stocks potted plants, seasonal bulbs, insecticides and fertilizers. Qualified personnel assists customers with their garden problems. The nursery department features a variety of shrubs, trees and bedding plants, with special emphasis on roses.

The Ellis firm also maintains retail outlets at Mobile, Prichard and nearby Bay Minette, Ala. It also produces much of its own stock at a growing area in Baldwin county, Alabama.

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action will be centered around these products this spring... a lot of people will be looking for the nearest Asgrow dealer to buy these and other lawn products.

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## Naming of Plants, Topic Discussed At Oregon School

By Charles H. Potter

The third in a series of educational meetings for nurserymen, florists and landscape gardeners was held the evening of February 16 at the Portland Wholesale Nursery Co., Portland, Ore. Over 100 persons were on hand when Washington county agent Lloyd Barron called the meeting to order. Speaker for the evening was Don Martel, head, department of landscape architecture, Oregon State College, Corvallis, whose topic was "Naming of Plants."

To illustrate the manner in which a plant is classified and named, Professor Martel traced nomenclature from the main divisions of plants that do and do not bear seeds to species and variety names. He gradually narrowed his coverage to a single variety.

The two main classifications of plants, he said, are the pteridophyta (ferns and allied plants), and the spermatophyta. The first group embraces those plants that do not bear seeds and the second group those that do. He explained how the gametophyte produces male and female organs in the pteridophyta and, through sexual reproduction, produces the sporophyte without seed production. Completing the cycle, the sporophyte, through asexual reproduction, produces spores, as in ferns, which, in turn, develop into gametophytes.

Among the spermatophyta the alternation of generation is obscure, Professor Martel said. These plants have a highly developed fibrovascular system and differentiation of roots, stems and leaves. Gametophytes are greatly reduced and so is part of the flower reproduction system. Seeds are, of course, produced, he said.

### Classifies Spermatophyta

Next Professor Martel broke the spermatophyta into two classes, the gymnospermae, or conifers, and the angiospermae, or flowering plants. The conifers, he said, have naked seeds, borne on the scales of a cone or conelike structure. Typical groups which he named are taxaceae (yews); pinaceae (pines, firs, hemlocks, etc.), and ginkgoaceae (ginkgo). The flowering plants include herbs, shrubs and trees. Here the

ovules are not naked and seeds are produced in a chamber in the flowering plants.

The flowering plants are divided into two groups, he continued, the monocotyledones and the dicotyledones. Distinguishing characteristics of these two subclasses are as follows: The monocotyledones produce single seed leaves and are plants without bark or a cambium layer and their leaves are often parallel veined. Typical groups in this subclass are the grass, iris, orchid and cattail families.

The dicotyledones produce double seed leaves. The plants of this subclass have bark and a cambium layer. Their leaves are never parallel veined. Typical groups are the salicaceae, betulaceae, ulmaceae, berberidaceae, rosaceae, caprifoliaceae, ericaceae and compositae families, Professor Martel said.

He then proceeded to break down his plant classification further by selecting the cornaceae, or dogwood family, for examination. This family, he said, includes shrubs and trees, but rarely herbs; plants have leaves that are opposite or alternate or entire; they are rarely toothed or stipulate; their flowers, which are perfect and rarely unisexual, are minute or wanting. Flowers usually have four petals, rarely five, and they have as many as four or five stamens. They also have an inferior, 2-celled ovary which, at times, is 3 or 5-celled, and solitary, pendulous ovules. Flowers have short styles and fruit in the form of drupes or berries.

### Three Generic Dogwood Groups

There are three generic groups of dogwoods: One group is characterized by flowers borne on the upper surface of the leaves, which are opposite. A second group has flowers borne on terminals or flowers that are axillary, with leaves usually opposite. The leaves are evergreen, the flowers polygamous, growing in terminal panicles. Characteristic of the third group are axillary or terminal flowers and leaves usually opposite and deciduous. The flowers are perfect and in corymbs or umbels. Generic names of these three groups are, respectively, helwingia, aucuba and cornus.

Cornus can be divided into two general groups: Those with white flowers in cymes or panicles and without involucre (enveloping membranes), and those with flowers in dense umbels with involucre.

The first group of cornus can again be divided into plants with alternate leaves and those with opposite leaves. The first of these two

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|------------|--------|------------|---------|
| 8 oz. .... | \$1.50 | 12 to case | \$10.80 |
| 1 pt. .... | 2.50   | 6 to case  | 9.00    |
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|------------|--------|------------|---------|
| 8 oz. .... | \$1.50 | 12 to case | \$10.80 |
| 1 pt. .... | 2.50   | 6 to case  | 9.00    |
| 1 qt. .... | 4.50   | 6 to case  | 16.20   |

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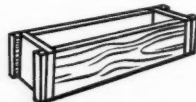
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| 3 lb. Plastic Bag   | .18             | 54 lbs.       | .20     | 3.60       |
| <b>PEAT HUMUS—NEUTRAL</b><br>(Hi-Nitrogen Soil Enricher)                        |                 |               |         |            |
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subgroups can be further divided by distinguishing between the different textures of the undersides of the leaves, which are either covered by irregularly diverging hairs (*C. alternifolia*) or by straight parallel hairs (*C. controversa*).

The plants with opposite leaves are divided into those bearing white or blue fruit and those bearing bluish-black fruit, Professor Martel pointed out. Using cornus to illustrate the binomial system, he gave the following list:

Generic name—*Cornus* (dogwood).

Species name—*Cornus kousa*.

Variety name (true variety as it exists in nature)—*Cornus kousa chinensis*.

Plants of horticultural origin Professor Martel listed in the following manner.

1. *Cornus florida* Redflowering (*C. florida rubra*).

2. *Fatsia lizei* (*fatsia x hedera*).

3. *Berberis chenaulti* (*B. verruculosa x gagnepaini*).

### Illustrates Talk

During his talk, Professor Martel used sketches to illustrate his points. Concerning the meaning of perfect or imperfect flowers, he said that perfect flowers contain both male and female parts, while imperfect flowers lack either the male or female parts; however, both parts are found among the flowers on the same bush or on a different bush.

Frequently, he said, the seeds of horticultural varieties will not produce the same plants as the parent plant. Such varieties, he said, will disappear without the help of man.

He discussed the differences which exist in the naming of plants and the confusion to which it leads. Published in 1942, "Standardized Plant Names" is the latest complete issue of plant names that exists, Professor Martel said, but this book is outdated now. There is a great need for a new book of this sort, supplemented frequently and reissued at least every 10 years.

### WASHINGTON SHOW

[Continued from page 10]

levels. The lower level held plantings of petunias on either side of the entrance, with a circular sunken fire-place in the center. The upper level was devoted to a lawn area, with a backing of broad-leaved evergreens.

Wheaton Florist & Garden Center, Wheaton, Md., was awarded second place for a semiformal sunken terrace garden. Beds surrounding the



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lawn area were constructed of red brick and planted with red azaleas and taxus. A large holly tree in the background sheltered the terrace's sitting area.

Ridgeville Nurseries, Inc., Mount Airy, Md., won third prize for a semiformal sitting area surrounded by beds of red azaleas and taxus. A white wrought-iron bench on the grass mall area was backed by large rhododendrons and white pine. Hill's Nursery & Camellia Gardens, Arlington, Va., was presented with a special award for a formal garden of tiered camellia beds underplanted with dwarf heather.

In the turf garden competition, first place was awarded to Summit Hall Turf Farm, Gaithersburg, Md., for a formal terrace garden in shades of pink and green. A garden shelter in the background overlooked a large grass mall, with raised beds of pink hydrangeas and azaleas. Pots of boxwood were placed on either side of the stone steps leading down from the terrace, with the entire garden enclosed by colorful beds of pink hydrangeas, azaleas, hyacinths and tulips.

George R. Thrasher Landscape Co., Falls Church, Va., was given second prize for a semiformal terrace garden on two levels, with one terrace floored with bark and the

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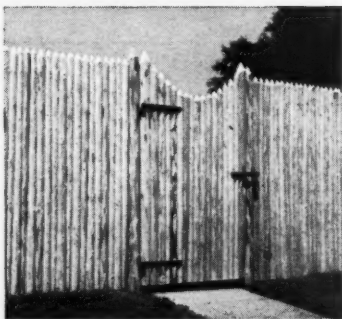
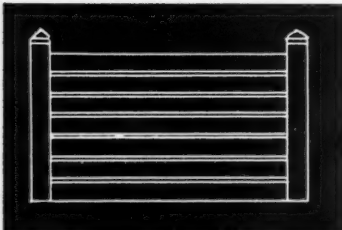
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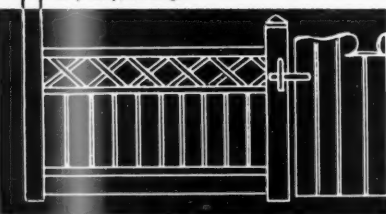
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other with grass. Raised beds in the background were planted with broad-leaved evergreens, with red camellias used at the extreme end of the mall area. The upper terrace was enclosed by *Ilex crenata* microphylla, with color accents supplied by small clusters of white azaleas and tulips. A hedge of berried holly bushes was used as a background in the lower terrace area.

### Special Rose Garden Award

Conard-Pyle Co., West Grove, Pa., was given a special award for a formal rose garden. Beds of the firm's leading varieties bordered both sides of washed gravel paths, which led to a terrace area, with tree roses used as accents at the entrance to the garden.

Louis Hahn & Son, Pittsburgh, Pa., also received a special cup award for an informal pool garden with masses of pink rhododendrons and azaleas in the foreground sweeping around a pool. Maple Queen ivy was used as a ground cover, with a clump of birch at the side of the pool underplanted with white azaleas.

The acacia plants of Mrs. Robert Stone, Marion, Mass., were arranged in formal plantings on either side of the entrance to the armory floor. At the rear of the huge display area, a 20-foot waterfall, integrated with a rock garden designed by Alexander Heimlich, Woburn, Mass., dominated the exhibits. The waterfall spilled into a pool area planted with native materials.

Jack T. Irwin, Inc., Rockville, Md., was given a special award for a small, semiformal raised terrace garden enclosed by a stone retaining wall. White tulips and candytuft were planted at the base of the wall, with a large, modern stone statue providing interest at the right of the entrance.

Ashton Nursery, Rockville, Md., was given a special award for a small formal geranium garden, triangular in shape, with red geranium varieties in bands on the outside and white varieties used in the center. H. E. Bufkin, Vienna, Va., was cited for an unusual garden that simulated an old canal lock and was planted with native materials and flowering orchid plants.

### Educational Displays

The University of Maryland exhibited a wide variety of ground cover plant materials, all labeled, with recommendations for foundations, banks and slopes, and shady or sunny locations. The United States Department of Agriculture showed a motion picture titled "Hidden Men-

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ace," aimed at alerting returning  
travelers to the danger of carrying  
insects and diseases back from for-  
eign countries. The Lawn Golf Turf  
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The Maryland Nurserymen's As-  
sociation was given a special award  
for an interesting poster exhibit on  
points to look for when purchasing  
plants. The area surrounding the  
posters was planted with plant mate-  
rials, which were labeled with both  
the botanical and common names  
and the plant's uses in some cases.

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phia, as they were by the floral dis-  
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ed \$250,000 battery of machinery. The center fountain was raised six feet above the floor level. Landscape architect Frederick W. G. Peck elevated the unit so that visitors would look up at the cascading water. The planting was done by Styer's Nurseries, Concordville, Pa.

A flower show gold medal was awarded to Vick's Wildgardens, Gladwyn, Pa., for a natural setting called "Joy of the Wilds." An abandoned springhouse, stone and timber, and pools were natural parts of this exhibit, which featured informal, woody plant material, such as dogwood, birch, huckleberry, laurel, rhododendron, azaleas, wildflowers and ferns.

### Water Garden

Styer's Nurseries prepared a path through its water garden, "Joy of the Waters," which won a first award. Dominated by a large tree, the garden featured two pools, with statuary as accents. An elevated terrace covered with stone was an inviting area, enhanced by white garden furniture. Flowering crab apples and blooming shrubs, rosebushes at the borders, ivy borders around the smaller pool and a small waterfall made an attractive outdoor scene.

The Pennsylvania Nurserymen's Association presented a small home garden, consisting of a terrace, lawn and planted area. Beside a boulder, a large amelanchier, or Juneberry tree, native to Pennsylvania, was a major attraction. Fragrance was provided by *Viburnum carlesii*, and color by azaleas set against a background of native evergreens.

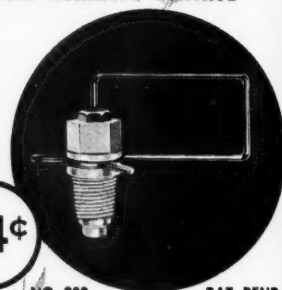
### Rustic Scene

Judd's Hollylan Nurseries, Pittman, N. J., exhibited "Rustic Haven," which featured a circular waterfall flowing into an oval pool partially encircled with a walkway of log rounds. The background of the waterfall was birch trees, rhododendrons, azaleas, blueberries and laurel. A wall effect was achieved with railroad ties, upright and horizontal. Rock cotoneaster and white, pink and lavender azaleas were also border material. In the background were variegated andromeda, Japanese holly and a 20-foot blue spruce. Weeping flowering peach added a graceful effect to the scene. Among other items were birch, flowering crab apples and *Viburnum carlesii*. This display won a silver medal.

Conard-Pyle Co., West Grove, Pa., exhibited a walk-through pathway called "The Rose Walk." The garden contained 250 hybrid tea, flori-

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bunda and grandiflora roses, along with tree roses. Brick walls enclosed the area. Among the newcomers featured were Golden Girl, light yellow; Fire King, near-salmon color, and Sarabande, rust-red. Pink Pace, of 1959, and Perfecta and White Knight, now 2-year-olds, were also featured. This firm also showed a small garden in an 8x12-foot space, titled "Suburban Living in Miniature." Shown in miniature was a rustic ranch-type house having the lawn dropping off to four different levels. It contained walls, driveways and 400 miniature bush and tree roses, as well as a small lake, shade trees, evergreens as well as shrubs to scale.

#### Curved Garden

Rose Valley Nurseries, Media, Pa., exhibited "The Curving Garden," designed by L. B. Palmer for the long narrow space. A shaded flagstone terrace allowed a view across the lawn toward a curving border. The Merion bluegrass lawn was ornamented by a low, curving wall of Avondale stone, starting at the terrace behind a small pool and stretching to the other end of the garden. The border was planted in evergreens and flowering shrubs. A first award was given this exhibit.

A first award went to the Pitzonka's Pansy Farm, Bristol, for "Picnic in the Spring," featuring a country road separated from an informal garden by a weather-beaten fence. A stream ran through the garden, which contained rhododendrons, pink and white dogwoods, andromedas, rock plants, Pitzonka's hybrid pansies, lilacs, laurel and clump birch. A picnic basket and goodies spread out on a red and white checked cloth, as well as the bicycle leaning against the fence, gave a natural effect to the scene.

Hansen Bros. Nurseries, Inc., King of Prussia, received a first award for a quiet garden featuring a small pool under a 15-foot flowering Japanese cherry tree. Surrounded by hybrid rhododendrons and azaleas, the ground cover was made up of pachysandra and Bowles' variety of vinca. Red azaleas and blooming rhododendrons supplied most of the color used in this garden. Leading into the scene was a path which was made up of sand and pebbles.

#### Holly Setting

Earle Dilatush, Holly Specialist, Robbinsville, N. J., received a first award for a natural setting of holly. The hollies ranged from a large 16-foot specimen to two medium-size berried hollies, as well as other rare

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and unusual berried types. Water from a frog's mouth spouted into a small pool. Stumps, logs, fungi and mosses gave a natural effect to the display.

Whitemarsh Nursery, Plymouth Meeting, Pa., featured the side of a house, painted yellow, in a display that gave spectators the feeling of looking into a garden. The corners were planted with rhododendrons and azaleas. Gravel walks led to a woody scene enhanced with additional flowering shrubs.

Albrecht Nurseries, Inc., Narberth, Pa., received a first award for its "Falling Water Garden." The rock garden served as a focal point, with the waterfall flowing into a free-form pool. Farther along the garden were a stone terrace and a birdbath. Azaleas, rhododendrons and blooming dogwoods added color. A Japanese cherry tree was located at the corner. Around the pool, an ivy border and evergreens were used for accent.

### Swimming Pool Garden

DeKalb Nurseries, Norristown, Pa., featured a 1,200-square-foot swimming pool garden called "Design for Dog Day's Pool." A half-kidney-shaped pool surrounded by brick paving was seen from a bathhouse in another corner of the garden. A border planting of azaleas and rhododendrons added color, as did a background row of tulips. Pink and white dogwoods were used on the lawn area.

Trees were an important feature in almost every display. How a tree can become a feature in one's garden was portrayed by the National Association of Gardeners, Philadelphia branch, which exhibited a topiary specimen. The pyramidal Japanese yew (*Taxus cuspidata capitata*) was staged by Harry Wood and received a first award. It was a good dark green yew about seven feet high, cut into a spiral shape. There was a pebble path around the yew and to the right of the tree were large areas planted in hyacinths, azaleas and ivy.

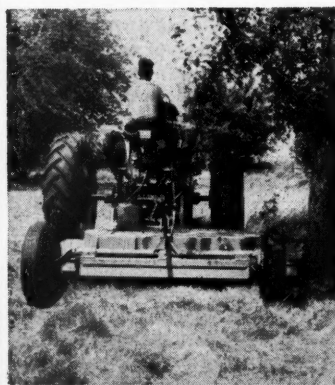
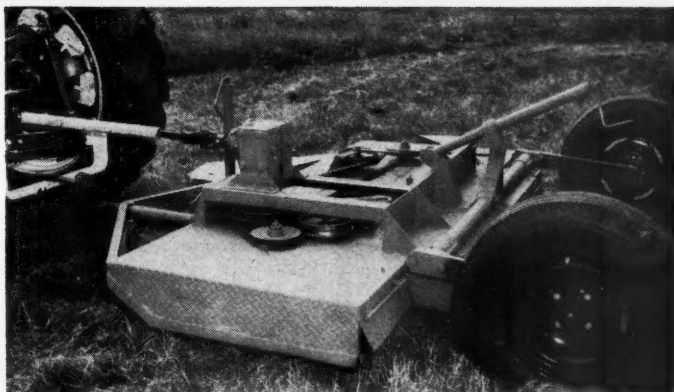
The Bulkley medal, presented by the Garden Club of America, was given to the Morris Arboretum of the University of Pennsylvania for an exhibit of ivy. Some 90 varieties of ivy were arranged at various levels, leading to a backdrop of a painted scene of Oak avenue at the Arboretum.

The National Agricultural College of Doylestown featured a "Rose Retreat." Designed by Frederic Blau, professor of landscape design at the college, the setting blended the beauty of massed roses and evergreens



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with the pleasing structural lines of a quiet garden retreat. Two rectangular pools on two levels were joined by a spillway. A large pine overhung the pools. In another corner, a latticed bench was set in a gravel-covered area. The overhang was also lattice, to allow sunlight to filter through.

**CLEVELAND FLOWER SHOW**

Blizzards and drifts outdoors and an acre of flowers indoors was the paradox of the 17th annual home and flower show at the Public Auditorium at Cleveland, O., March 5 to 13.

Directed to the home gardener, the show's theme this year was "Easy Living," with 13 competitive gardens designed to tempt the visitors with ideas for their own yards. The gardens, submitted to the competition in three size classes, were judged on the basis of suitability as an attractive, useful outdoor living area; color harmony; appropriate accessories, and the quality of materials used.

Judging the gardens this year were Dr. L. C. Chadwick, department of horticulture, Ohio State University, Columbus, O.; Frank Curto, Schenley park, Pittsburgh, Pa.; Arnold Davis, Lakeview Ceme-



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tery Association, Cleveland, O.; Vincent R. DePetris, Grosse Pointe, Mich.; William P. Dieckmann, John Dieckmann & Sons, Elm Grove, W. Va., and Dr. Carrick E. Wildon, professor of horticulture, Michigan State University, East Lansing, Mich.

### Model Homes

Of interest in the lower exhibition halls was a prize display by the Holden Arboretum, Mentor. The space-age house was completely new in concept. Another model home was a functional vacation cabin built from competitive designs submitted by students of Western Reserve University school of architecture.

Ralph P. Stoddard, managing director of the show, was proud of the controversy generated by the A. I. A. house, designed by John Terence Kelly.

Henry L. Pree, Cleveland's widely recognized landscape architect, again planned and directed the garden panorama in the main arena and the settings around the model homes in the exhibition hall below. The entire flower show was under the general direction of Fred Laisy, North Olmsted, president of the show, who was assisted by Donnell C. Brown, Lakewood; Steve Kubit, and Mrs. Marguerite R. Murphy, executive secretary of the event. The show is the largest of all indoor shows staged in the entire state of Ohio, attracting a paid attendance of more than 200,000 persons over a 9-day period.

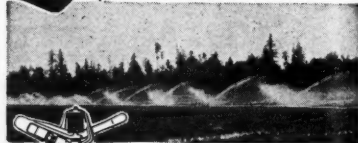
### Wins Special Award

The spectacular stage setting rightly won for Fred Schneider & Sons, Rocky River, a special award, given for the first time this year in recognition of the outstanding interpretation of the theme "Along the Garden Wall."

The setting of the prize-winning garden was formal in concept and featured a stone wall separating an evergreen background from two large flower beds and a lily pool. A host of annual and perennial flowers were used in profusion, and, as in all the gardens, the plant materials were labeled for easy reference. Six-foot-high hollyhocks and delphiniums formed the garden's background. Peonies were used for color accent; stocks also supplied color, and a germander edging spread into the background of azaleas, flowering dogwoods, birch, willows and Scotch pine.

At the center of the floor was the section labeled "Exotica," a 4,000-square-foot circular display sur-

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rounding a large illuminated fountain pool highlighting orchids and tropical foliage plants.

Neill Greenhouses, Inc., Cleveland, won the award for the outstanding garden of the show, as well as first prize in its own division. It utilized orchids, cymbidiums and cypripediums, as a hostess would arrange them in a traditional and modern manner. Delbert Smith, Uniontown, grower of foliage plants, demonstrated the use of these plants in indoor decor. William Merkel, Mentor, won second prize in this category for a teahouse garden in the tropical manner, for which he used palms, crotons, schefflera, camellias, dracaenas, ferns and colorful ground cover plants from Mexico and Guatemala.

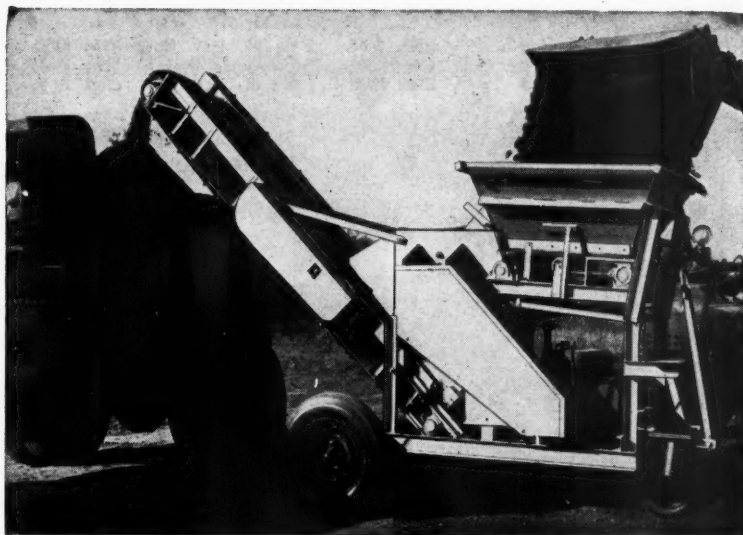
#### Large Garden Winner

First prize in the large garden class was awarded Hirt's Greenhouse, Strongsville, for an informal raised sitting area framed by hollies, azaleas, tulips, pachistima, dogwoods, evergreen bittersweet and Japanese andromeda.

Kurt O. Laubinger & Sons, Inc., Macedonia, won second prize in this division with a stone-walled, sunken garden having trailing ivy on the walls and large red and white azaleas, white birch trees and flowering dogwoods.

Sunbeam Farms, Westlake, won first prize in the medium garden competition, with English primroses brightening a woodland setting, which also featured spring-flowering bulbs, rock garden plants around a small pool, perennials, ferns and native ground covers, birch trees and stately dogwood. A bronze figurine of Pan with his pipes added animation to the scene. Second prize was won by Stoney Acres Gardens, Cleveland, with a typical back yard garden, easily adaptable to today's informal living and entertaining. Dick Spears designed the outdoor sitting area with an oval pool, with evergreens in the background and bright geraniums. Honorable mention was awarded to Gali Greenhouses, Cleveland, for a picnic patio garden in red, white and green. Big red tulips were used for gaiety, while white birches, white azaleas, flowering dogwoods, Japanese andromeda and euonymus framed the over-all picture in cool green and white. Honorable mention in the medium gardens was also given to C. R. Perkins & Sons, Westlake, for a refreshing formal garden of chrysanthemum beds around a paved sitting area and faultless lawn.

First prize in the small garden



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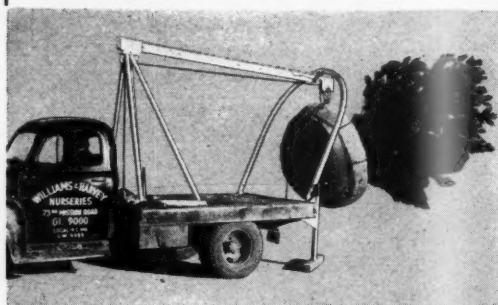
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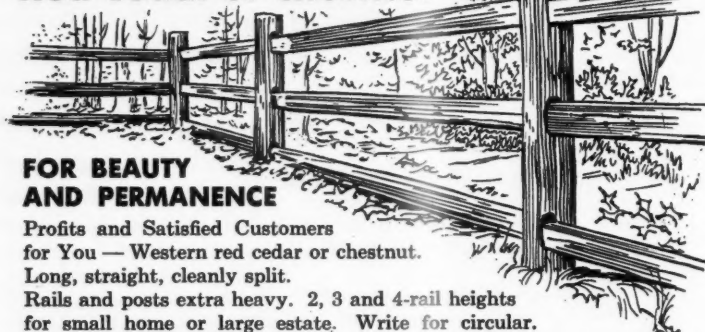
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category was won by Larry Lieu of Lieuhaven Gardens, Westlake, who adapted the old-fashioned geraniums into a modern setting. The contemporary patio featured a wall fountain spilling into a pool. The Jack Ellacott Greenhouse, Cleveland, captured second prize for a Williamsburg garden of fragrant hyacinths in beds about formal brick walls. Flowering dogwoods were used for height, as were the background evergreens. Honorable mention was won by Parma-Schlegel Greenhouse, Parma, with a formal small garden utilizing hyacinths in beds around a small lily pool. Pleasing to the back-yard gardener was the use of brick edgings which separated the lawn areas from the flower beds making week-end gardening much easier for the neophyte. Also receiving an honorable mention in this group was the Hi-way Nursery, Westlake, under the direction of Jack Endress. He used beautiful colors of tuberous-rooted begonias in combination with bedding begonias and fancy-leaved Rex begonias.

### DES MOINES SHOW

At Des Moines, Ia., the home and flower show sponsored this year by the Home Builders' Association of Des Moines was the twelfth in the series, in which the Allied Florists of Des Moines have regularly cooperated by constructing garden displays and supplying flowers. The 1960 exhibition, with the theme "Gardens To Live In," occupied two floors of the Veterans' Memorial Auditorium and was open from February 20 to 28. An attendance of 80,000 persons was reported.

Occupying the main arena area was a 2-story model home surrounded by landscaped gardens. This elaborate array of plantings for the \$35,000 home met the varied interests of members of a family. There were a patio and a reflecting pool, a putting green for young and old, an herb garden for mother, a separate garden for cutting and a children's play area.

### Special Effects

Seven Iowa nurserymen staged individual gardens, illustrating what ambitious gardeners can build for themselves, wherever they live, whatever their interests are, whether they be old hands at growing things or just young and hopeful. Each plot was 10x15 feet, compact but complete, giving a quick lesson on landscape development suitable for Iowa requirements. These plots were a new feature of this year's show and

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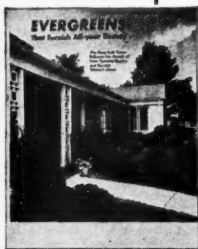
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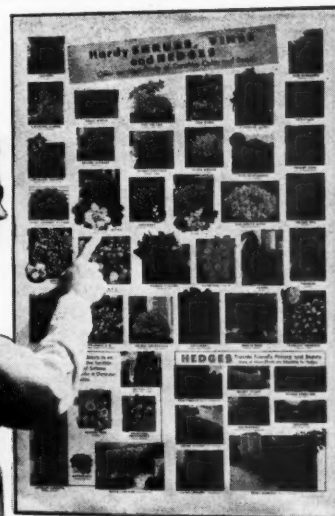


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attracted much interest from the public.

The nurserymen who staged these special plantings and the title given each garden were as follows, the firm being at Des Moines unless otherwise given. Paul Dunlap Creative Landscaping, West Des Moines, "Rustic Retreat"; Dutcher-Nassif, Inc., Nursery & Garden Centers, "A Town Garden"; Bento Landscape & Garden Center, "Autumn Parade"; Herb Nelson Landscapers, "Springtime Dream"; Des Moines Seed & Nursery Store, "Let's Eat Outdoors"; Ames Nursery, Ames, "A Touch of Garden Living," and Goode Greenhouse, "Summer Fantasy."

### Other Displays

Other planted effects in the arena were replicas of yesterday's and today's farm scene; an "Aviary Garden," with shelter for 50 parakeets,

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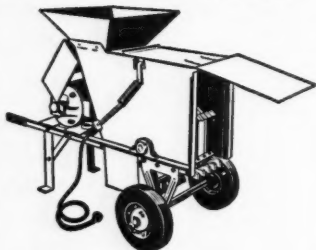
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parrots and love birds; "Tomorrow's Garden," in futuristic design, and a "Lilac Garden," a carnival of Iowa's favorite shrub. About 50,000 square feet were occupied by the show, and more than 12,000 plants were provided for it.

Managing director of the show was Frank Dubinsky. Yale C. Moeller, landscape architect, Des Moines, designed and built the gardens. Work on the project was started by Mr. Moeller last April, about a month after the 1959 gardens had been cleared away; this is his second year of show effort. He is president of the Des Moines Nurserymen's and Landscapers' Association, an associate member of the American Institute of Architects and a member of the National Landscape Nurserymen's Association.

## LANSING GARDEN SHOW

Last year's show was so successful that the theme, "Suddenly It's Spring," was repeated at the fourth annual Lansing garden show sponsored by the Central Michigan Landscape and Nurserymen's Association, the Michigan department of agriculture, the Ingham county cooperative extension service, local garden clubs and suppliers.

Staged March 5 and 6 at the Artillery armory at Lansing, Mich., the educational show was open free to the public Saturday and Sunday from 1 to 9 p. m.

Since this show was double the size, scope and time of last year's event, every effort was made to insure its success with the help of heavy advertising and publicity. There were five good-size ads in the local newspaper, primarily preceding the show, with the main ad in glowing pink color and rose fragrance. A radio unit was on location for two days, with exhibitors being interviewed every hour and sometimes every half hour to build interest in show attendance and explain overall staging. Four car-top signs were used, and a tape-cutting ceremony was held, attended by the mayor and representatives of the sponsors.

### Tree Gifts and Prizes

Free gardening gifts, including seeds, gloves, plant food and Michigan State University extension bulletins, were given away at the door, and hourly prizes were also presented. The attendance increased from about 700 last year to about 6,000 this year. For a time on Sunday, March 6, more than 600 persons per hour visited the show. Many people came from out of town and

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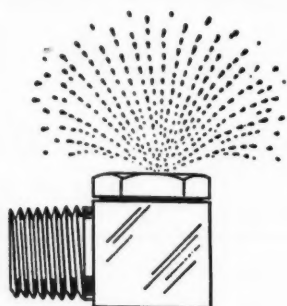
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| 5 nozzles, postpaid                                  | \$ 5.00 |
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| Tork 24-hour on/off clock                            | 10.95   |
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| Solenoid valve, 110v ¾-in.                           | 23.00   |

Also strainers, larger valves and other types of nozzles. Booklet upon request, showing many uses for fog.

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Dept. A

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as far away as northern Ohio, according to exhibitor reports.

Of interest was the publicity committee's successful efforts to obtain free window and lobby space for landscape and plant displays and arrangements. This was done to draw attention to the large cards announcing the show in a new and obviously successful way, judging from the merchants' acceptance. Sponsors of the show intend to improve and expand this idea next year, because of the tremendous publicity potential for the show.

Persons interested in this procedure should be sure to obtain the cooperation of their local merchants to put up displays in the high traffic areas of their city. For best results, a show should be free, a civic event and, preferably, educational if the endorsement of merchants and publicity from news agencies are desired.

The garden show itself was filled with many beautifully landscaped garden scenes complete with the usual forced blooms of spring bulbs and plants. The scenes included patios, fence corners and waterfalls. They were strategically spaced throughout the show and stood out individually between the various garden supply and power equipment booths. An attempt, to be furthered next year, was made to place plant materials beside garden supplies so as to keep plants uppermost in the public's mind.

### Information Booths

Since many questions were anticipated, each booth was manned and criticism both favorable and unfavorable was welcomed.

Supplying a separate room for the interesting programs, which were well attended, proved successful in that full audience participation could take place without distraction from the main hall displays. Saturday's program included talks entitled "Your Lawn and Its Care," by Prof. James Tyson, Michigan State University; "Shrubs for Your Home," by Dr. Harold Davidson, Michigan State University; "Pruning Trees and Shrubs," by a panel of the Central Michigan chapter; "Lansing's New Arboretum Park," by Carl Fennor, superintendent of Lansing parks, and "Beautiful Bulbs," by Henry Vandenberg, in the United States from the Netherlands.

Sunday's program included talks on "Planting and Care of Roses," by a representative of the Greater Lansing Rose Society; "Flower Arrangement," by a representative of the National Flower and Garden Association; "Is Something

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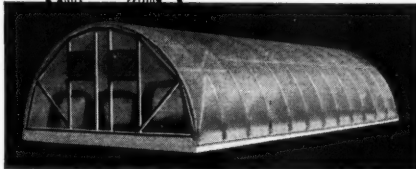
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## THE PLASTIC GREENHOUSE

WITH THE LIFETIME ALUMINUM FRAME



IDEAL GROWER SIZES: 11, 20, and 25 Ft. Widths. Lengths available in Multiples of 8 Ft. . . . from 32 Ft.

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Gro-Mor Another Fine Product of Lord & Burnham

## PROFIT with "OK" GRASS TRIMMERS

You can boost your profits by selling "OK" GRASS TRIMMERS • This is what we offer you!

- LARGER DISCOUNTS • QUICK TURNOVER
- COMPLETE CUSTOMER SATISFACTION
- BETTER BUILT TRIMMERS
- THE OLDEST MFG. IN THE FIELD
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The First  
TRIMMER  
EDGER  
BOTH-IN-ONE  
TOOL



**TRIMS** . . . all the grass away from fences, walls, trees, rocks.

**EDGES** . . . cuts a neat, trim groove between walk and sod.

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AT THE LOWEST PRICES  
ANYWHERE!

Treated and Untreated

• Squares • Rectangles • Lengths  
Pinning Nails • Polyethylene  
Peat Pots • Lath House Covers

Tools • And Many Other  
Nursery Needs

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SUPPLY HEADQUARTERS

**COLUMBIA NURSERY  
SUPPLY CO.**

P. O. Box 5068 Columbia, S. C.  
Phone: AL 4-3786

Wrong with Your Trees," by Ted Haskill, Lansing forestry department; "Lawn Construction Features," by a member of Drew & Skidmore, landscape architects, and "Landscaping Your Home Grounds," by a representative of the Central Michigan chapter.

### List of Chairmen

General chairman of the show was Robert Miller, R. D. Miller Nursery, Lansing. Heading the committees were the following: Publicity, Kenneth B. Twiss, Twiss Landscape Center; exhibit spaces, Robert Richter, Richter's Gardens; program, Mel Avery, Ingham county agricultural extension agent and Dr. Harold Davidson; staging, Gary Granger, Michigan department of agriculture; steering, Henry LaBrosse, Smith Tree Service, Inc., and Robert Noethen, the Cottage Gardens, Lansing, and secretary-treasurer, Marv Cron, Sandhill Acres Nursery, Mason.

The committees met two nights after the show to obtain all criticisms, note weak points and discuss exhibitors' evaluation sheets. Judging from all results this show was a tremendous success.

### CANADIAN CONVENTION

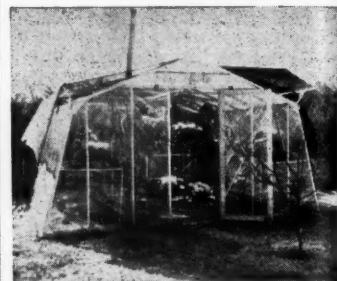
[Continued from page 11]

has been tested to ascertain its usefulness under an existing set of conditions. None of the systems is a cure-all. However, a great number of difficult plants can be successfully propagated by the newer methods. With several of the plants, no attention need be given to the position of the basal cut and hormones are not necessary.

### Weed Control

"Chemical Weed Control" was the title of a paper by Dr. Lloyd V. Sherwood, professor of agronomy, Southern Illinois University, Carbondale, Ill. He limited his presentation to the control of annuals and with the assistance of illustrations

**DARLING'S**  
*"Rite in the Rain"*  
**WATERPROOF  
TREE AND PLANT LABELS**  
"Rite in the Rain" labels are not just another paper label. They are made of tough tagboard and chemically treated to make them waterproof. Ordinary pencil markings do not wash off. These are longer lasting yet low-cost labels. Millions are used every year by nurserymen.  
Write for samples and prices.  
**J. L. DARLING COMPANY**  
BROWN'S POINT, TACOMA, WASH.

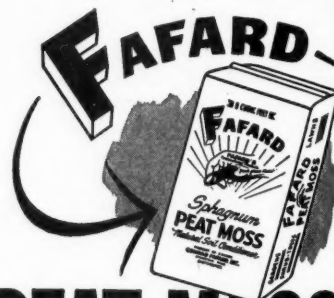


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**TURNER GREENHOUSES**

Box 120  
Goldsboro, N. C.



## PEAT MOSS

**PURE  
SPHAGNUM**  
98% ORGANIC

From the great Fafard Bogs in Canada.

Handsomely Packaged with Polyethylene Coating.

1 peck bags to 7 cu. ft. bales. Also German peat moss in 7.5 cu. ft. bales.

### PEAT HUMUS

Priced to produce traffic. Plastic-lined bags 2½ lb. to 100 lb. as well as in bulk.

**CONRAD FAFARD, INC.**

P.O. Box 774, Locust 7-3316  
Springfield, Mass.

and tables he discussed these in detail. He showed how weeds, allowed to grow, rob nursery plants of food, water, light and appearance and increase costs in necessitating pruning and transplanting. The cost for controlling weeds in nurseries may be as high as \$250 per acre. The greatest success in reducing weed control costs depends upon use of a system, either cultural or chemical, which consistently depletes the stockpile of seeds already in the soil while preventing the development of new seeds.

Pre-emergence type herbicides, if suited, offer good opportunities for reducing weed costs for nurserymen. It should be possible successfully to use one pre-emergence treatment after another for full-season control of annual weeds, if the operator can be assured of rainfall or irrigation when needed.

He pointed out that the grower should start any weed control method new to him on a limited basis only and he concluded by stating that further research should offer considerable progress toward cheaper and more effective weed control for the nurseryman. Southern Illinois University is currently expanding its weed control application research program in this direction, he announced.

#### Official Matters

In the afternoon, government topics highlighted the session. John McDonald chaired the meeting, and the first speaker was F. M. Manwaring, Canada department of finance, Ottawa, Ont., who spoke on "Government Loans to the Nursery Industry." He pointed out that the purpose of the act is to encourage the provision of intermediate and short-term credit to farmers for the improvement and development of farms and for the improvement of living conditions thereon. He emphasized that the government is not a lending agency, but does encourage bank lending to farmers by means of a limited guarantee. He went on to discuss the function of the farms' loans legislation and its features, those eligible for loans and classification of loans available.

#### Dumping Foreign Stock

A. R. Hind, department of national revenue, discussed "Prevention of Dumping of Foreign Nursery Stock" and the dumping duty. The value of dumped goods, according to the customs act, is based on the average price of the goods prevailing in the locality where produced at the time of export. The special, or



The Evergreen Gardens, Apopka, Florida

**LUMITE<sup>®</sup>** Saran Shade Cloth  
"grows variety of foliage plants  
**BETTER THAN ANY SHADE MATERIAL...**

That's what The Evergreen Gardens at Apopka, Florida says about the new slat weave Lumite Shade Cloth that provides 78% actual shade! Lasts for years. Easy to install. Lowest annual cost. Full range of shading.

Write today for **FREE SAMPLES** and prices.

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Chicopee Manufacturing Corp.  
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#### ROOTSPRED TREE PLANTERS

Tree planters take a beating. Be sure you are getting a good guarantee, good design and careful workmanship before you buy. Our M-55 at only \$275 features compact, sturdy design, most comfortable planting position, no adjustments or superfluous parts to get out of order. Nonclogging scalpels available for some models. Write for details.

**ROOTSPRED**  
St. Petersburg, Fla.

Mention The American Nurseryman when you write.

#### BURLAST

Burlap treated with **BURLAST** (dry powder mixed with water) resists rot and decay up to six months! Write for details.

**HILL'S NURSERY**

#### POSITIVE PROTECTION

Burlast Division  
Box 43, Victoria, Tex.

*Twine and Cordage*

For All Nursery Requirements

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System for Intermittent Misting

**MANY IMPORTANT ADVANTAGES**

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## HAND TRUCKS

Especially built for handling  
B&B nursery material. Are  
built in three sizes, with  
capacity up to 1500 lbs.

Illustrated is our small  
model truck. One man  
can easily handle 600-lb.  
ball.

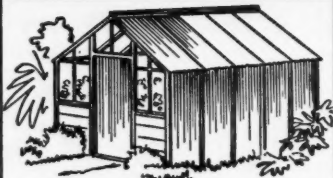
Write for folder giving  
details and prices.



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Phone Niagara 2-4838 (Kansas City, Mo.)  
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### BUILD YOUR OWN FIBER GLASS GREEN HOUSE



Fiber Glass provides better distribution of  
light, thereby enabling you to grow more  
plants in a smaller area.

Heavy-duty corrugated Fiber  
Glass sheets manufactured  
especially for outdoor use  
available in 34-in. and 40-  
in. widths by 8-ft., 10-ft.  
and 12-ft. lengths. In natural  
color to give maximum  
light transmission. Also  
available in decorative col-  
ors if desired.

**59¢**  
sq. ft.

Orders shipped promptly.

Freight prepaid on orders  
for 500 sq. ft. or more.

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CORAL GABLES 34, FLORIDA

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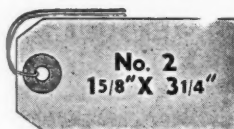
Carload or truckload lots.  
5c each,

F.O.B. East Paterson, N. J.  
Approximately 8000 in car.

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COOP. ASSN., INC.**

447 Market St.  
East Paterson, N. J.

### TAGS FOR NURSERYMEN



#### BLANK IDENTIFICATION TAGS

Heavyweight tag stock. Per Thousand

|        | Manila | Colored |
|--------|--------|---------|
| 1,000  | \$3.40 | \$4.20  |
| 2,000  | 3.15   | 3.95    |
| 3,000  | 2.85   | 3.65    |
| 5,000  | 2.60   | 3.40    |
| 10,000 | 2.25   | 3.05    |

Colors: Yellow, Blue, Green, Orange,  
Red and White. Colors may be com-  
bined for quantity price. Minimum 1000  
each color.

Wired Tags, add \$2.25 per 1000

Metal Eyeleted Tags, add 50c per 1000  
Net 30 Days, F.O.B. Grand Rapids, Mich.

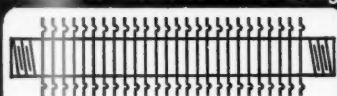
Free delivery for check with order.

Write for price list and samples of  
nursery tags.

**IMPERIAL TAG & PRINTING CO.**  
312 Straight, S.W., Grand Rapids 4, Mich.

### ALUMINUM SUN-FIN RADIATION

Ideal for Greenhouse Heating



**EASILY INSTALLED  
IT WILL NOT RUST**

Descriptive literature and  
prices sent on request

**SUNDERLAND PIPE SHOP**  
4302 Woodland Ave., Kansas City, Mo.

dumping, duty is applied to give  
protection from unfair competition  
to the Canadian producer.

"Legislation" was a paper by  
W. N. Keenan, plant protection di-  
vision, Ottawa. Mr. Keenan has  
been with the government 46 years,  
and the paper was given one week  
before his retirement. In the main  
it was a review of legislation to pre-  
vent pests and diseases from spread-  
ing and added discussions on some  
of the problems that face the depart-  
ment. The kaphra beetle became a  
serious pest on stored foods and is  
now public enemy No. 1 in that  
field. The golden nematode has not  
been found in association with duly  
certified nursery stock imports, but  
it has been intercepted on uncerti-  
fied stock shipped as gifts or other-  
wise originating in private gardens.  
Soil with plants is not the only  
source of spread; in the United  
States nematodes have been found  
in soil adhering to parts of motor  
vehicles.

He pointed out that the St. Law-  
rence seaway introduces a new  
problem for both the United States  
and Canada. Cargoes likely to carry  
pests may now proceed to the in-  
terior of this continent. There have  
been several meetings to discuss or-  
ganization and mutual cooperation  
in handling the threat. A greatly  
expanded policy of cooperation be-  
tween the inspection services of the  
two countries is anticipated.

Mr. Keenan continued by discus-  
sing new Canadian import regula-  
tions and announced the latest,  
made effective February 11, con-  
cerning golden nematode, ports of  
entry and importation of plants  
with soil.

Dr. C. W. Farstad, who will suc-  
ceed W. N. Keenan, discussed "Do-  
mestic Plant Protection Legislation  
and Related Activities in Canada."  
He stated that the department could  
not stop exportation, but was deter-  
mined that domestic movement  
within Canada would be dealt with  
in the best scientific way. He also  
discussed some of the domestic  
regulations and the work that the  
department is doing within the  
nurseries.

#### Landscape Session

A landscape session held the final  
day of the convention was extreme-  
ly popular. The meeting room was  
filled to capacity, and there were  
special guests from the Niagara  
Parks school and landscape con-  
tractors. The session was chaired in  
the morning by G. Peister.

J. H. Boyce, plant research insti-  
tute, Canada Department of Agri-



# NEW 50% LIGHTER 100% STRONGER

## HERCULITE POTS

**Saves you 50% or more on freight!**

- ✓ New! Aeration holes encourage healthy root growth.
- ✓ Stronger! Lighter! Made of impregnated, laminated fiberboard.
- ✓ Completely assembled! Easy to separate. Saves time, labor, money!
- ✓ Tough! Lasts longer in your sales frame — plants really thrive.
- ✓ Saves on freight! Herculite Pots weigh less!
- ✓ Good looking! Styled for sales appeal. No objectionable odors!

### COMPARE THESE LOWER PRICES!\*

| Catalog No. | Top | Size Bottom | Hgt. | No. per Carton | Wgt. per Carton | Wgt. per 100 | Wgt. per 1000 | PRICE Per 100 | Per 1000 |
|-------------|-----|-------------|------|----------------|-----------------|--------------|---------------|---------------|----------|
| 55          | 5"  | 4"          | 5"   | 200            | 20#             | 10#          | 100#          | 4.75          | 45.00    |
| 66          | 6"  | 5"          | 6"   | 200            | 28#             | 14#          | 140#          | 5.50          | 52.00    |
| 76          | 7"  | 6"          | 6"   | 100            | 18#             | 18#          | 180#          | 6.00          | 56.00    |
| 79          | 7"  | 5½"         | 9"   | 100            | 25#             | 25#          | 250#          | 6.50          | 62.00    |
| 86          | 8"  | 7"          | 6"   | 100            | 20#             | 20#          | 200#          | 6.50          | 62.00    |
| 89          | 8"  | 6½"         | 9"   | 100            | 26#             | 26#          | 260#          | 7.50          | 72.00    |
| 99          | 9"  | 7"          | 9"   | 100            | 34#             | 34#          | 340#          | 9.50          | 90.00    |
| 1010        | 10" | 8"          | 10"  | 50             | 27#             | 54#          | 540#          | 13.00         | 120.00   |
| 1212        | 12" | 10½"        | 12"  | 50             | 40#             | 80#          | 800#          | 23.00         | 220.00   |

\*500 or more at 1000 rate, F.O.B. Wyandotte, Michigan



HORTICULTURAL PRODUCTS CO.  
1250 South Street

culture, chose to illustrate his talk, entitled "Turf Research at the Central Experimental Farm," with slides. He showed various types of disease, winterkill and growth.

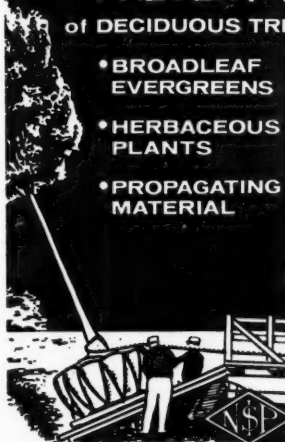
In discussing "Modern Landscape Practices," Prof. D. Newton Glick, chairman, department of landscape architecture, Michigan State University, East Lansing, considered what knowledge is needed to do good landscape work. A landscape artist works with the most complete set of materials. He must know in detail the growth characteristics, season of bloom, color, etc., of ornamental trees, shrubs and other plants. Other materials from which he may choose include concrete, stone, brick and tile. In these he must know what colors are available and how best to use them in his composition. Water may be taken for granted, but it has artistic value in natural states and in man-made containers, large and small. Sculpture, outdoor furniture and plant boxes are important in enriching landscapes. Artificial lighting is valuable. Music is also a material.

There are numerous complications in working outdoors, as people circulate, and everything must look good in every direction. Landscape changes with the seasons, and the

## PREVENT TRANSPLANTING LOSSES

of DECIDUOUS TREES and SHRUBS • CONIFERS, LINERS

- BROADLEAF EVERGREENS
- HERBACEOUS PLANTS
- PROPAGATING MATERIAL



PLANT ALL YEAR WITH PROTECTION WITH

## WILT-PRUF

All sizes and varieties of plant material — from 40 ft. Pin Oaks to small vegetable seedlings — have been transplanted successfully (even in hot, arid weather) when sprayed with WILT-PRUF.

Plant your design any time. WILT-PRUF protects under every kind of weather. WILT-PRUF, proven through years of use, is also the best pesticide sticker.

Available in professional and homeowner sizes.

NURSERY SPECIALTY PRODUCTS, INC. STERBINS ROAD, CROTON FALLS, N.Y.

NEW

## AREA and DEPTH TABLE

Enclosed in weather-resistant plastic.

Now you can tell at a glance the number of cubic yards in a square-foot area at a required depth.

Eliminate errors in estimating.

Ask for Chart 101. Price, \$2.50.

Cash with order, please.

## PROGRESSIVE CHARTS

1105 W. Plainfield Rd.  
La Grange, Ill.

For Bark Wounds —

## NU BARK

Your customers will like it!

CLEAN • CONVENIENT • EFFECTIVE

Your firm name printed on labels. Exclusive sale in your area. Send \$2.00 for a "show me" order. It'll be generous and postpaid.

NU BARK 20 W. Johnson St.  
Charleston, Ill.

## ORDER NOW — BE READY "MISTER 100"

Pat. Applied For

### Mist Propagation Nozzle

We believe it's the finest ever developed. Wide coverage—flat plane of mist. Features: Individual strainer; wrap-around wire baffle, easily removed for cleaning or replacement after long operation. Nozzle has 5/16/24 thread. Spaced 3 ft. apart in drilled and tapped holes in 3/4-in., 1-in., or larger pipe, depending on length of line.

### AND IT'S PRICED RIGHT!

(Prices F.O.B. Detroit)

| In lots of      | Each   |
|-----------------|--|
| Less than 100   | \$1.00   |
| 100             | .75  |
| 250             | .70  |
| 500             | .65  |
| 1000            | .60  |
| 2000 or more    | .55  |
| Sample postpaid | \$1.00. Send for yours today and see just what it does; or order as many as you need with full confidence. |

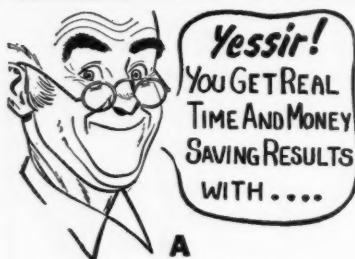
### OTHER EQUIPMENT

(Prices F.O.B. Detroit)

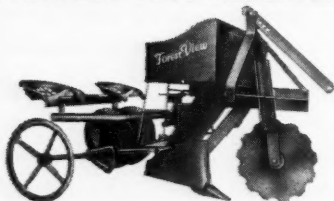
One minute or 10-minute timers for seconds or minute operation, \$29.95 each. Solenoid Valves, 1/2-in., \$17.61; 3/4-in., \$19.75; 1 1/4-in., \$24.19. Line Strainers, 1/2-in., \$4.50; 3/4-in., \$5.00; 1-in., \$7.50; 1 1/4-in., \$10.50. Electronic Leaf Control Unit...\$65.00

### WHITESHOWERS, INC.

17514 Woodward Ave., Detroit 3, Mich.



### A Forest View TANDEM Tree PLANTER



- Rugged, commercial steel construction throughout.
- Correct planting depth on any terrain.
- Plants seedlings, liners, potted materials, etc., without damage.

Forest View's Tandem Planter gives you the most in exclusive "custom-built" advantages at regular prices. With Forest View you get accurate alignment with adjustable lever... timing wheel that spaces plants evenly... scalloped coupler for easy cutting of briars, roots, etc... special trencher shoe with slip-fit point... nonclogging stripper-bar... and many others. Investigate the savings you can make with a Forest View Planter.

Write Today For Literature and Prices—FREE  
Dealer Inquiries Invited

### FORESTVIEW EVERGREEN NURSERY

Dept. AN

Germania, Pa.

composition must be attractive at all times. Other things affecting composition are changing light, wind through the trees, clouds and birds. Professor Glick continued by showing slides that illustrated the various points brought out in his discussion.

During the afternoon session, five speakers touched on different aspects of garden center operations and the part garden centers have played in beautifying Canada. A. W. Rundle was chairman.

Mr. Rundle believes that the garden center has a high degree of influence with the average homeowner and that its obligations to the homeowner, therefore, are many and varied. The garden center operator must be a designer, an architect, an agronomist, a chemist, a plant pathologist and—above all—a salesman.

He must also have available all the material that would be required to landscape a property, such as loam, sod, seeds, fertilizer, soil conditioners, stone for walls and patios, nursery stock, annuals, bulbs, etc. Also available must be a never-ending list of gadgets and materials for maintenance work.

Mr. Rundle pointed out that in the past, nursery stock was bought from salesmen at the door and selection was made from pictures. Today there is a complete reversal of this method. The customer wants to choose the material on sight, wants it delivered promptly and wants to pay in one to 11 months. To survive in business, a garden center must provide these conditions.

### Functions of the Layout

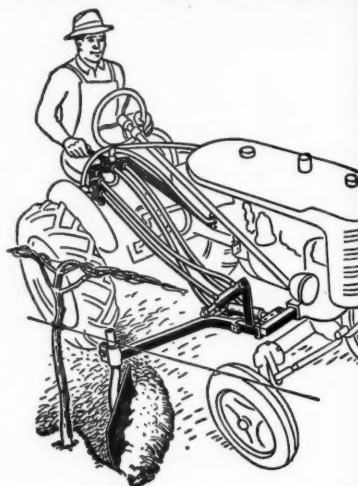
David Carter, McLean-Peister, Ltd., Kitchener, discussed the layout of a garden center. A good layout must do more than make a center attractive, he said. Fixtures must be placed to invite customers to penetrate into the store and to control the movement or path taken by the customer. Customers must be drawn to counters and shelves holding merchandise.

When planning the layout, one must take into consideration that a customer's natural tendency is to turn to the right. Aisles should be made as wide as possible—four feet was suggested as a safe minimum. The cash register should be so placed that the customer must go through the entire sales area to reach it. Small items should be placed near the register to increase impulse buying.

The store should be well lighted

## GREEN'S TRACTOR HOE

Manual or Hydraulic Control



Green's Tractor Hoe will save you time and money. One man can do the work of many. Fits most makes of tractors.

Send for free literature.

HOWARD C. GREEN MFG. CO.

Portland, N. Y.



Prune cleaner, faster and at lower cost with

## LOMBARD POWER PRUNERS

Revolutionary engineering principle does work of three men

WRITE FOR COMPLETE CATALOG

Lombard Governor Corp.

Ashland, Mass.

Add color to your nursery with Keiding Art-Pots

*Keiding*

PAPER PRODUCTS CO.  
Milwaukee 18, Wisconsin  
Lebanon, Pennsylvania

## POLY-TAINERS

For Growing Quality Nursery Stock

PRACTICAL—ECONOMICAL—EVERLASTING

TRIAL CARTON \$12.75. Postpaid

15 EACH, 3 AND 5-GALLON SIZES

Native American Holly Farms

115 S. Penn St. Manheim 10, Pa.



Has over 99 farm uses. Burns 1 hour on 2 1/4 worth of kerosene. Disinfects livestock quarters. Destroys weeds, stumps. Splits giant rocks, irrigates. Burns 6% kerosene, 94% air. Endorsed by agricultural experts. Write for free descriptive literature today.  
SINE, ANZ, Quakertown, Pa.



# Beautiful — "TRU-ROK" — Waterfalls

## Indoors or Outdoors

The unmatched beauty of a natural stone waterfall—a masterpiece fiberglass replica that weighs only 1/80th as much as real stone. Here is a truly enchanting addition to any decor . . . residential or commercial.

### BEVERLY HILLS

37 ins. high — 48 ins. wide  
33 ins. deep — 90 pounds

**\$111.50**

F.O.B. California

### CATALINA

22 ins. high — 36 ins. wide  
42 ins. deep — 70 pounds

**\$90.00**

F.O.B. California

### Also 3 New Larger Models Available

Individual Landscape Stones, \$1.00 per lb.  
10 stones from 3 to 35 lbs. each

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Distributed by:

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• Recirculating pump sealed in oil • Plugs into any 110 V outlet • No plumbing connections • Electric pump guaranteed • Shipped ready to operate • Operates for pennies a day • Made of lightweight indestructible fiberglass with real crushed stone blended with styrene and resins to give the realistic look.

at all times. Every square foot of available space should be utilized. Moving large and bulky items outdoors near the parking area will cut man-hours in handling. The shade house area was considered, and Mr. Carter regards it as the area from which 50 per cent of the total sales are derived. Close attention and regular maintenance should be given this area.

Parking space is absolutely necessary and, to attract persons into a parking lot, a mass color display was considered most effective. Because the first principle of laying out a nursery is to entice as many people as possible to browse around, there must be no dead ends in aisles or paths.

As a customer tends to move toward a mass of color, it was suggested that bright displays be in one of the far corners. It was recommended that paths have a curb or edging to protect plants from the hazard of damage and to give a neat appearance.

### Merchandising Topics

Promotion and advertising were discussed by Frank Marlow, Unionville Nurseries, Ltd., Unionville, who outlined a practical course in contacting customers and making them aware of what the garden center has to offer. J. E. Shuttleworth gave his thoughts on the subject of merchandising and stressed the importance of keeping the customer aware of one's center.

Len Cullen, Weall & Cullen Nurseries, Ltd., Willowdale, chose the topic "Labor." His firm hires many part-time employees who already have full-time jobs. His employees

If you sell  
potted plants,  
you'll sell

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Tiny moisture indicator for potted plants. Tells when to water. Squares show pink when moisture's right. Turn blue when it's time to water.



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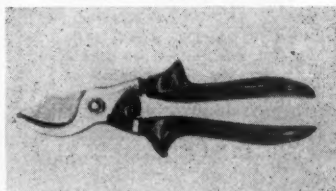
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are given a winter short course covering such points as planting, selling and design. The firm has an annual picnic for all employees and their families and an annual dinner, and gifts and letters are sent at Christmas. A summer outing is planned; last year a visit was made to the Jackson & Perkins Co. and other nurseries.

An instruction booklet is regarded as essential, for it provides the employee with a concise statement of the nursery's policies on replacements, delivery, refunds, hospitalization, etc. He concluded his remarks by saying one machine can do the work of 50 ordinary men, but no machine will do the work of one extraordinary man.

### Business Session

The annual business meeting was held on Tuesday and was attended by a large representation of active members. President J. E. Shuttleworth presided and emphasized in his report the closely knit character of the national organization and the 10 per cent growth of membership in the past year.

He spoke of the expansion and prosperity in Canada and the growth of the nursery industry. He mentioned the revival and organization of new nursery associations, one in British Columbia, several in the Prairies, two in Ontario, one in Quebec and one in the Maritimes, each dedicated to servicing the basic needs of the industry.

The national organization was founded in 1946, and the aim outlined in the constitution was the development and improvement of the nursery industry in Canada and its relationship to the users of its products.

### Leadership

At a recent meeting of provincial and regional nursery associations, it was generally agreed that the national association should give leadership on such problems as imports and exports, national publicity, inspection under the destructive insect and pest act, sales tax, tariffs, uniform grades, education, credit reporting and national research and should generally act as a watchman of federal legislation.

Delegates agreed that the regional association should give leadership on the problems of trade within the province, consolidate the views of its members and advise on labor and workmen's compensation, various business taxes, provincial and municipal licensing and local publicity.

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Mr. Shuttleworth then discussed in detail some of the activities of the association.

### Change Bylaws

J. R. Burns, Ottawa, gave the treasurer's report, preceding the various committee reports. One of the most important actions taken at the session was the change in bylaws of the constitution to provide representation from all sections of the country on the national board. This change was the result of many meetings between provincial and national representatives and was an important step in the history of the organization.

Elections followed, as reported earlier, the results being announced at the annual banquet in the evening. The banquet highlighted social activity and was preceded by a reception, at which time all the ladies were given corsages. Rev. Richard Jones was guest speaker. Dancing concluded the evening's entertainment.

Other social events during the convention were a rendezvous the first evening that got the convention off to a good start by giving members the opportunity of greeting old friends and making new acquaintances. Monday evening there was a buffet supper, with entertainment provided by the Ontario Nurserymen's Association.

At a special luncheon on Tuesday, presentations of the American Association of Nurserymen industrial landscaping awards were made by Dr. Richard P. White, Washington, D. C. These went to W. H. Pauley,

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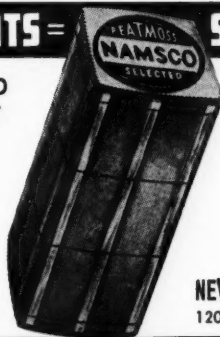
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Laurentian Landscape, Ltd., Ville St. Laurent, president of the Quebec Landscape Gardeners' and Nurserymen's Association; Louis Perron, Montreal, the landscape architect, and to the Industrial Acceptance Corp., Ltd., Mount Royal, the company whose building grounds were landscaped. Wednesday morning, a breakfast meeting for the members of the A. A. N. chapter 39 was held.

### Ladies' Schedule

Mrs. Vera Rundle, ladies' chairman, was responsible for an enjoyable program. Monday afternoon, the ladies toured the Chatelaine institute, and on Tuesday there were a fashion show and tea. After a Wednesday luncheon at the Town and Country restaurant they visited Casa Loma.

Commercial exhibits were a valuable part of the convention. All space allotted by the hotel for industry exhibits was used, and exhibitors displayed their merchandise in the hotel lobby outside the meeting rooms and inside the general convention hall where sessions took place.

### UTAH GROUP ELECTS

R. W. Atkinson, Sunset Nursery, Sandy, Utah, took over as president of the Utah Association of Nurserymen at the group's annual convention held January 26 and 27 at the Newhouse hotel, Salt Lake City. Other officers introduced at the opening session of the meeting were Ray Hansen, Hansen Nursery, Brigham City, first vice-president; Robert Humphries, Humphries Floral, American Fork, second vice-president, and Kyle Swallow, Swallow Nursery, Murray, secretary-treasurer.

County directors and their terms are as follows: Box Elder and Cache counties—James Walton, Walton's Valley Nursery, Tremonton (2-year), and Ben L. Day, Day Floral Co., Brigham City (1-year); Weber and Davis counties—Charles Smith, Lowe's Garden Shop, Ogden (2-year), and Leonard Howes, Mount Ogden Nursery, Roy (1-year); metropolitan Salt Lake county—Henry Engh, Engh Day & Night Floral (2-year), and Ernest Freckleton, Louise Gardens (1-year), both of Salt Lake City; Utah county—Melvin D. Wallace, Wallace Gardens, Orem (2-year), and John Maas, Provo Landscape Co., Provo (1-year).

Chosen as directors at large were Vernon Smith, Millcreek Gardens (3-year); Jack Johnson, Wasatch Shadows Nursery (2-year), and

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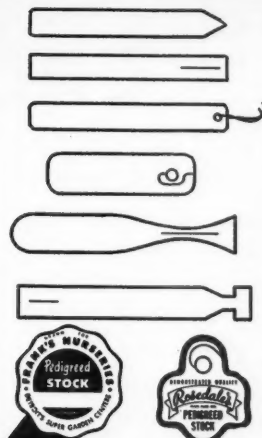
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Among the opening day highlights of the meeting, for which over 200 members and guests registered, were two addresses by the association's guest of honor, Valleau C. Curtis, Callicoon, N. Y., president of the American Association of Nurserymen; a panel discussion of the proposed state regulations on plant labeling and quality and size specifications for nursery stock; a talk on merchandising the garden shop, and a discussion of handling container stock.

Participating in these sessions were A. M. Jorgenson, commissioner, Utah department of agriculture; Richard Boyle, assistant attorney general; Douglas Walton, Porter-Walton Co., Salt Lake City; Keith Collins, Idaho City, and U. A. N. president, R. W. Atkinson. A special stag dinner in honor of President Curtis was held Tuesday evening, January 26.

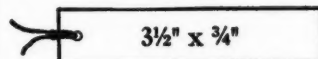
Program features for Wednesday, January 26, included a "Clinic on Marketing for the Nursery and Garden Shop Industry," by Dr. Welden J. Taylor, Brigham Young University, and a discussion of profitable advertising methods for the small nursery, by Robert C. Cutler, Newspaper Agency Corp.

WILLIAM TODD recently acquired the New Augusta Nursery, New Augusta, Ind., from Mrs. Hazel Schnitzius, widow of the former owner and Mr. Todd's mother-in-law.

OPENED recently at Hastings, Neb., was the Earl May Yard & Garden Center, featuring nursery stock, seeds, lawn and garden equipment and pet supplies. Leon Smidt is the manager.

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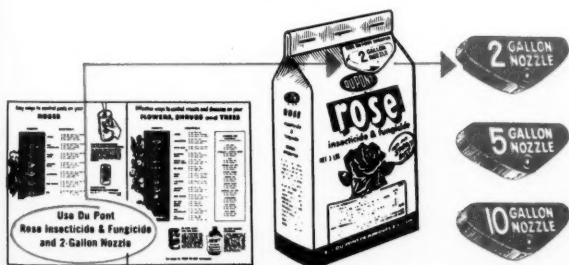
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